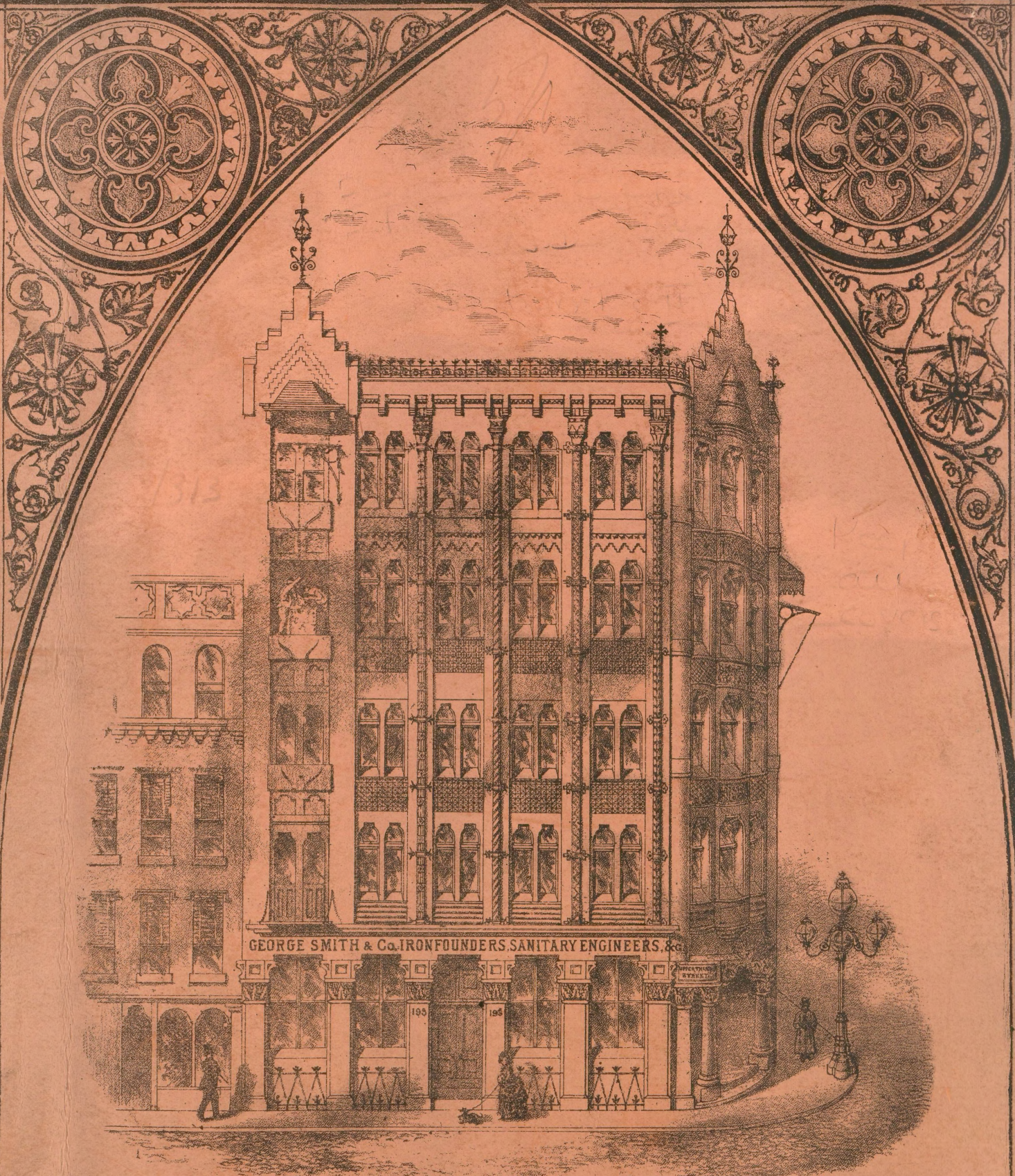


GEORGE SMITH & Co.

Art Metal Workers AND SANITARY ENGINEERS.



SECTION I.



ELEVATION OF LONDON PREMISES, 193, UPPER THAMES STREET, E. C.

SUN FOUNDRY, GLASGOW

London, Dublin and Manchester.

92.0.31

~~92.F.~~

N.D.

92, 0, 31

Metal Works

CATALOGUE

OF

ARCHITECTURAL AND ORNAMENTAL CASTINGS

MANUFACTURED BY

GEORGE SMITH & CO.,

ARCHITECTURAL IRONFOUNDERS AND SANITARY ENGINEERS;

CONTRACTORS, BY SPECIAL APPOINTMENT, TO HER MAJESTY'S WAR DEPARTMENT.

SECTION I.

RAIN-WATER GOODS, &c.

GEORGE SMITH & CO., SUN FOUNDRY, GLASGOW;

193 UPPER THAMES STREET, - - LONDON, E.C.;

24 D'OLIER STREET, - - DUBLIN.

Presented to

R. M. Phipson Esq Norwich

With GEORGE SMITH & Co.'s Compliments.



11. 8. 85.
951.

INDEX.

SECTION I.

RAIN-WATER GOODS, &c.

	PLATE		PLATE
ANGLES, External and Internal,	42	NOZZLE PIECES,	42
ANTEFIXÆ,	43	OFFSETS,	3
BENDS,	3	O. G. GUTTERS,	16
BEVELLED BACK GUTTERS,	26	ORNAMENTAL EARS,	11-13
BOUNDARY WALL GUTTERS,	26-27	„ FIGURED GUTTERS,	30-41
„ „ „ TAPERED,	29	„ HEADS,	6-10
BRACKETS, GUTTER,	42	„ PIPES,	4-5
BRANCH PIECES, SINGLE and DOUBLE,	3	PLINTH BENDS,	3
CENTRE GUTTERS,	28-29	PIPE CONNECTIONS,	3
„ „ TAPERED,	29	PIPES, PLAIN,	2
CLIPS, UNION,	42	„ ORNAMENTAL,	4-5
CONNECTIONS, RAINWATER GUTTER,	42	„ SOIL,	2
„ „ PIPE,	3	RAIN WATER EARS,	11-13
“D” PIPES,	2	„ GUTTERS,	15-41
DIRECTIONS for Ordering Pipes,	1	„ GUTTER CONNECTIONS,	42
„ „ Gutters,	14	„ HEADS,	6-10
DOUBLE BRANCH PIECES,	3	„ PIPES,	2-5
DRIP GUTTERS,	25	„ PIPE CONNECTIONS,	3
DROP GRATINGS,	42	SHED GUTTERS,	28
EARS,	11-13	„ Tapered,	29
ELBOWS,	3	SHOES,	3
EXTERNAL ANGLES,	42	SINGLE BRANCH PIECES,	3
FIGURED GUTTERS,	30-41	SNOW GRATE,	42
FLANGE „	25-26	SOIL PIPES,	2
GUTTER BRACKETS,	42	„ CONNECTIONS,	3
„ CONNECTIONS,	42	SQUARE PIPES,	2-5
„ ORNAMENTS,	43-44	„ „ CONNECTIONS,	3
GUTTERS, PLAIN and ORNAMENTAL,	15-41	STOP ENDS, Spigot and Faucet,	42
„ BOUNDARY WALL,	26-27	SWAN NECKS,	3
„ BEVELLED BACK,	26	T PIECES,	3
„ DRIP,	25	TAPERED BOUNDARY WALL GUTTERS,	29
„ FLANGE,	25-26	„ CENTRE „	29
„ HALF-ROUND,	15	„ SHED „	29
„ O. G.,	16	„ VALLEY „	29
HEADS,	6-10	UNION CLIPS,	42
INTERNAL ANGLES,	42	„ SOCKETS,	3
MOULDED GUTTERS,	16-41	VALLEY GUTTERS,	27-28

NOTE.—All our Manufactures are coated with best Oil Paint (unless when ordered Plain, Galvanized, or Enamelled), before leaving the Works.

INTRODUCTION.

GEORGE SMITH & CO., in issuing Section I., which is confined to the illustration of Rain Water Goods, would wish to call attention to the other Departments of their Manufactures, the extent and variety of which are indicated by the list given below. Section III., illustrating School Fittings, Sanitary Appliances, &c.; Section IV., Lamp Pillars, Lamp Brackets, &c.; and Section V., Columns and Mullions, are already issued; and Sections illustrating other Departments are in course of preparation.

Architects, Engineers, &c., are respectfully invited to inspect Specimens which have been fitted up at the Show Rooms, SUN FOUNDRY, GLASGOW; 193 UPPER THAMES STREET, LONDON, E.C.; and 24 D'OLIER STREET, DUBLIN.

PATENT URINALS, in Iron or Slate.
PATENT WATER CLOSETS of every description, for Private Houses or Public Works.
PATENT WATER WASTE PREVENTERS in Iron Cisterns; also, for existing Cisterns, or combined with Closets.
PATENT SHIP CLOSETS.
DRY PAN CLOSETS, in Iron Erections.
PATENT WASH-HAND BASINS, Plain or Enamelled, Single or in Ranges.
BATHS, Plain or Metallic Enamelled, with or without Patent Fittings, ready for attaching to the Main.
PATENT ORNAMENTAL DRINKING FOUNTAINS, for Streets or Railway Stations.
ORNAMENTAL JET FOUNTAINS, from £2 to £2000.
STREET DRINKING CATTLE TROUGHS, with Iron Base and Dog Trough.
PUMPS, Plain and Ornamental, with or without Lamps.
RAIN WATER PIPES and GUTTERS, Plain and Ornamental, with all their Connections.

STREET REFUGE LAMP PILLARS, Plain and Ornamental, with from one to six lights.
LAMP PILLARS for Pedestals.
GAS and ORNAMENTAL BRACKETS.
CLOCK BRACKETS.
CRESTINGS, FINIALS, WEATHER VANES, BANNERETS, CROSSES.
BALCONETTES, BALUSTRADES, VERANDAHS.
PORCHES, PILASTERS.
ORNAMENTAL COLUMNS and MULLIONS.
FLOWER VASES, RAILINGS, GATES, GATE PILLARS with or without Lamps.
GALLERY RAILINGS and BRACKETS.
COMMUNION RAILINGS, OFFERTORY PLATES.
DESK and BENCH STANDARDS.
REGISTERED STABLE FITTINGS.
Every description of FITTINGS for Churches, Schools, and Public Buildings; and all kinds of CAST IRON ORNAMENTAL WORK for House and Garden Architecture.

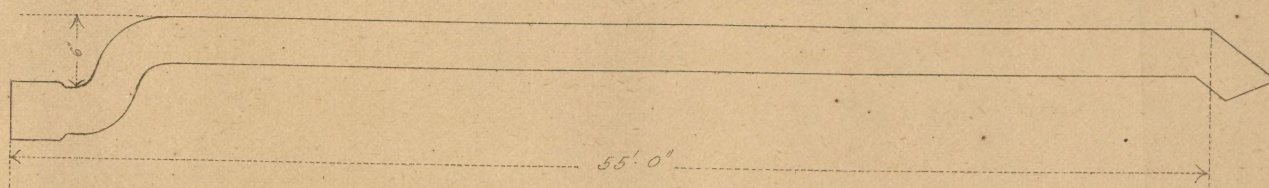
GEORGE SMITH & CO.,
ARCHITECTURAL IRONFOUNDERS AND SANITARY ENGINEERS,
SUN FOUNDRY, - - GLASGOW;
193 UPPER THAMES STREET, LONDON, E.C.;
24 D'OLIER STREET, - - DUBLIN.

DIRECTIONS FOR ORDERING PIPES, &C.

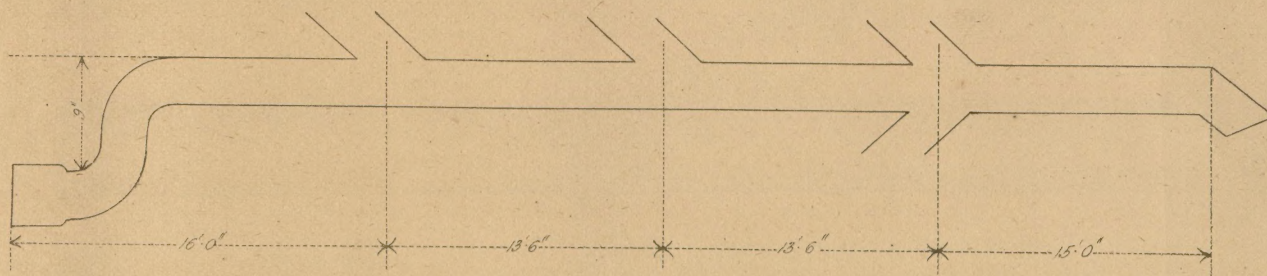
To facilitate and expedite the execution of orders, it is very desirable that they be accompanied by Sketches, and legibly marked with all necessary measurements:

The following Examples will illustrate the recognized mode of indicating the required particulars:—

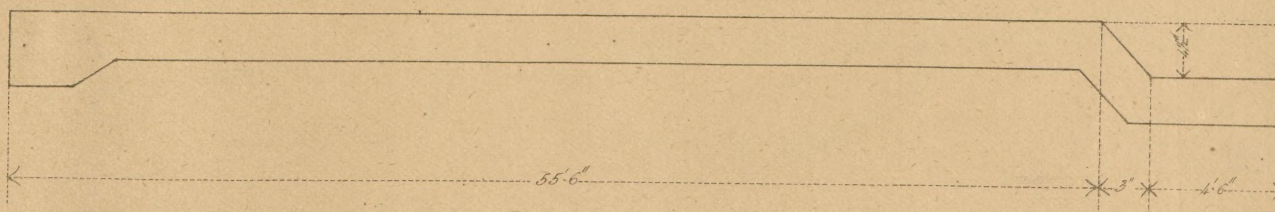
1 Stalk No. 1 Pipe, 4 in., with No. 50 Ears, 6 in. Offset, and Shoe, as Sketch.



1 Stalk No. 1 Pipe, 4 in., with No. 23 Ears, 9 in. Offset, 1 Double and 2 Single Branches cast on, and Shoe, as Sketch.



1 Stalk No. 3 Pipe, 4 x 3 in., with No. 70 Head, No. 94 Ears, and Plinth Bend, as Sketch.

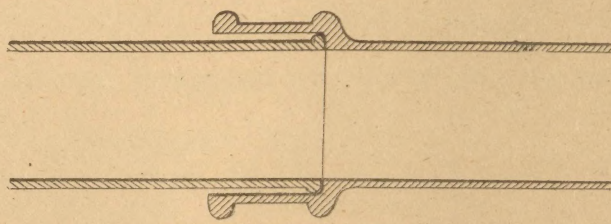


NOTE.—It is recommended that either *round* or *square* Pipes be used for Corners of Buildings, as this ensures greater neatness (especially in the Plinths) than when rectangular Pipes are placed in that position.

To ensure accuracy, Templates should accompany the order when Special Offsets or Plinth Bends are required.

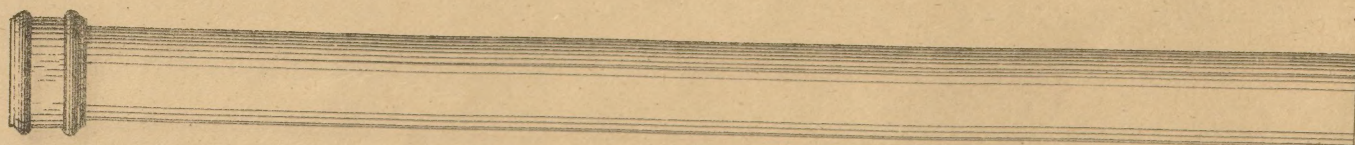
RAIN WATER AND SOIL PIPES.

NOTE.—Attention is invited to these RAIN WATER or SOIL PIPES, made extra heavy, and having larger space between Spigot and Faucit, for caulking the Joints, than the common Rain Water Pipes. Nos. 15 and 16 are specially adapted for Export, being strengthened in Centre and at Spigot, thus rendering them less liable to be broken in transit. The *Connections* for these Pipes are also on the same principle.

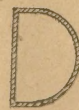
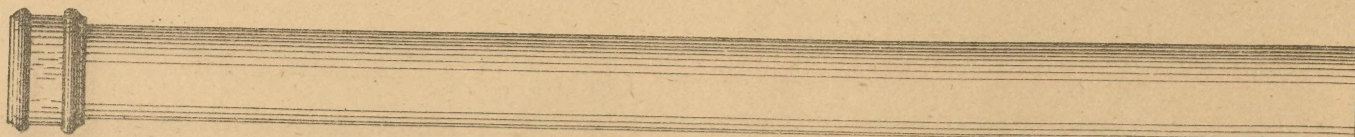


ENLARGED SECTION,

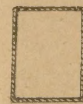
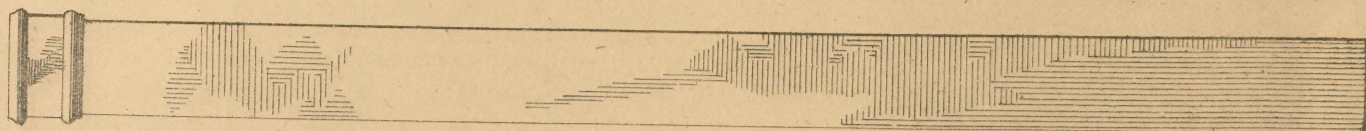
At Spigot and Faucit of No. 19 SOIL PIPE, showing extra space for caulking the Joint. This pipe is specially recommended for use in connection with Baths, Water-closets, &c.



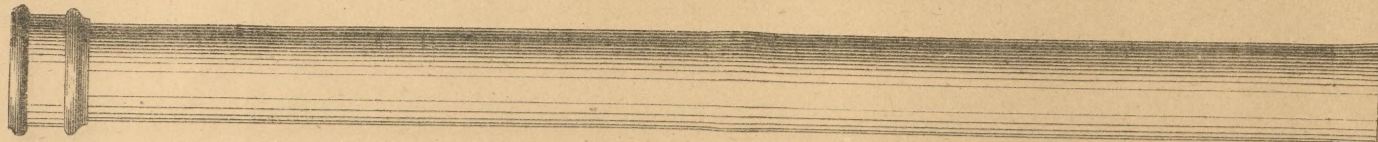
No. 1 PIPE.



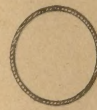
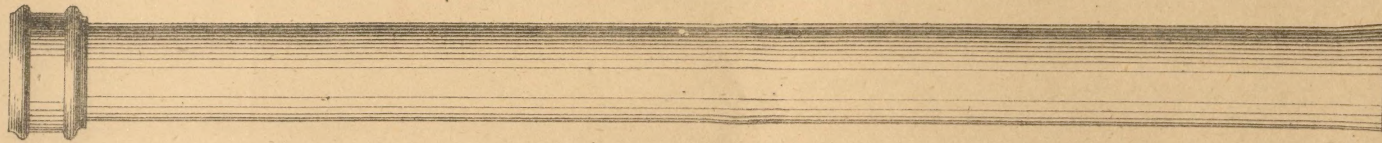
No. 2 PIPE.
3" 2 1/2" 4" 5" 6" 7" 8"



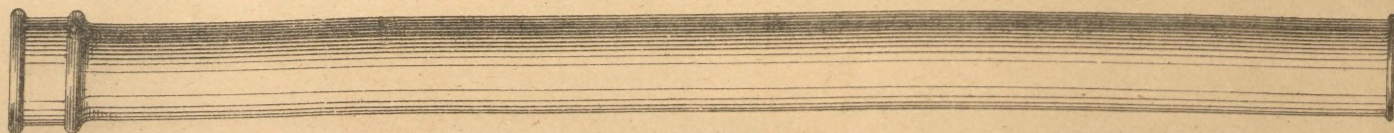
No. 3 PIPE.



No. 15 HEAVY RAIN WATER or SOIL PIPE.
(Extra thickness in centre and on Spigot.)
2" 3" 4" 5" 6" 7" and 8"



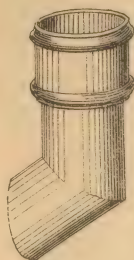
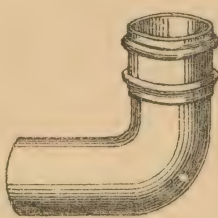
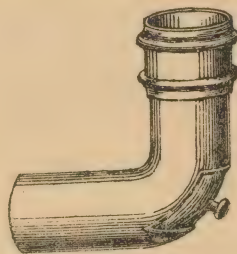
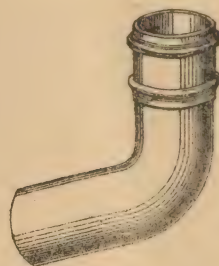
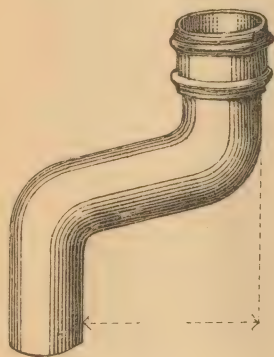
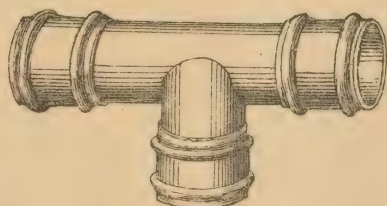
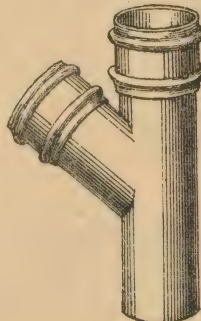
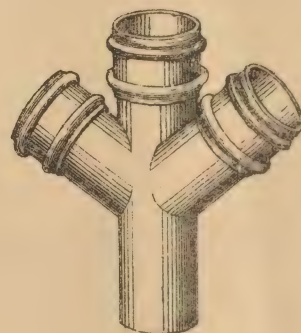
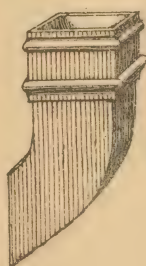
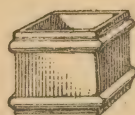
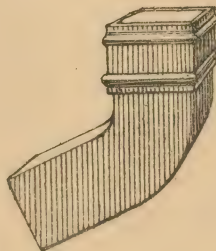
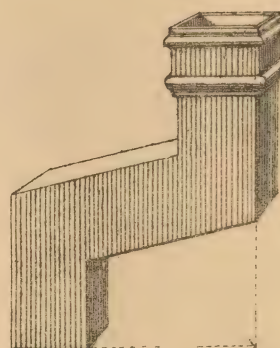
No. 16 HEAVY RAIN WATER or SOIL PIPE.
(As No. 15, but with extra large Faucit.)
2" 3" 4" 5" and 6"



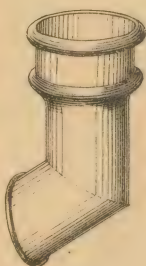
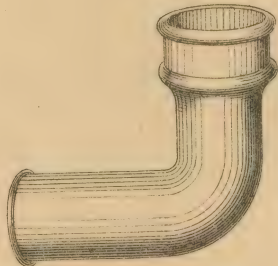
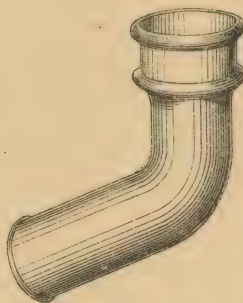
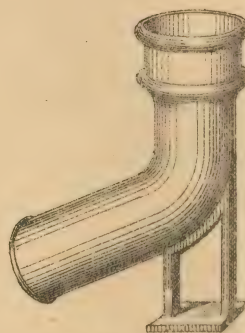
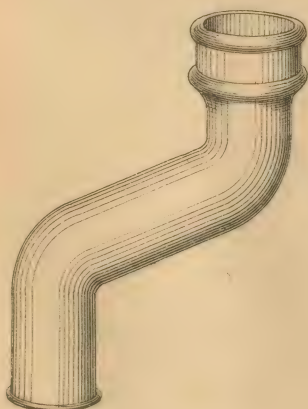
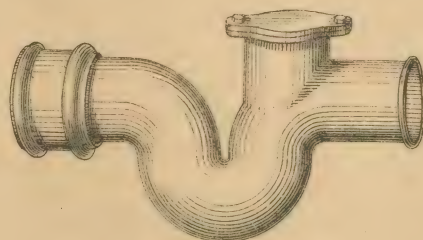
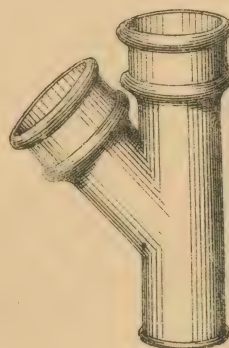
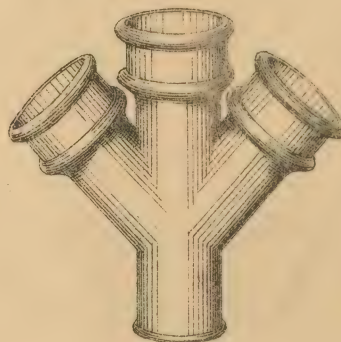
No. 19 SOIL PIPE.

3" 3 1/2" 4" 4 1/2" 5" and 6" mark 1/4" thick, also 2" and 3" mark 3/8" thick.

RAIN WATER PIPE CONNECTIONS.

N^o1 SHOE.N^o1 UNION SOCKET.N^o1 SQUARE ELBOW.N^o1 SQUARE ELBOW,
(with Teasing Door.)N^o1 OBTUSE ELBOW.N^o1 OFFSET.
24", 3", 6", 9", 12", 15", 18" and 24"
projection.N^o1 T PIECE.N^o1 SINGLE BRANCH.N^o1 DOUBLE BRANCH.N^o3 SHOE.N^o3 UNION SOCKET.N^o3 OBTUSE ELBOW.N^o3 OFFSET
3", 6", 9" and 12" projection.

SOIL PIPE CONNECTIONS.

N^o19 SHOE.N^o19 SQUARE ELBOW.N^o19 OBTUSE ELBOW.N^o19 OBTUSE ELBOW,
(with Rest.)N^o19 OFFSET.
3", 6", 9" and 12" projection.N^o19 SYPHON TRAP.
with Cleaning Door.N^o19 SINGLE BRANCH PIECE.N^o19 DOUBLE BRANCH PIECE.



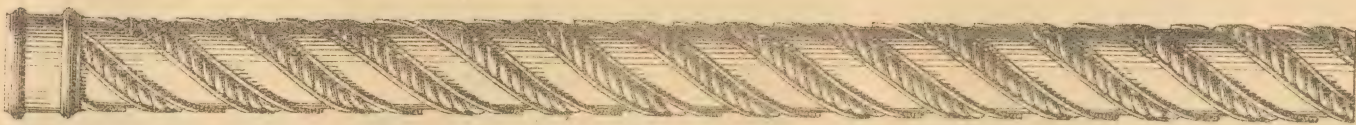
D

Nº 11
4 1/2"



D

Nº 10
4 1/2"



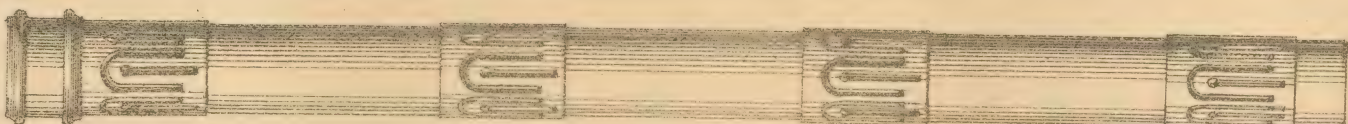
D

Nº 9
3 1/2" 4 1/2" 5 1/2"



D

Nº 8
3 1/2" 4 1/2" 5 1/2"



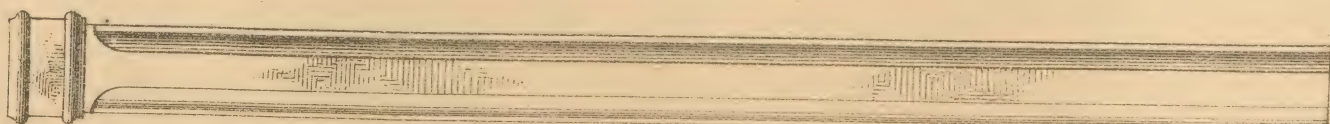
D

Nº 7
3 1/2" 4 1/2" 5 1/2"



O

Nº 6
3 1/2" 4 1/2" 5 1/2"



D

Nº 5
3 1/2" 4 1/2" 5 1/2"

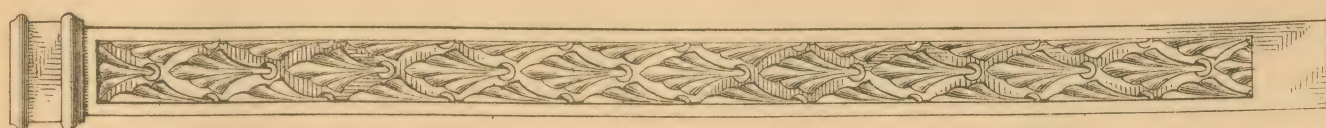


D

Nº 4
3 1/2" 4 1/2" 5 1/2"



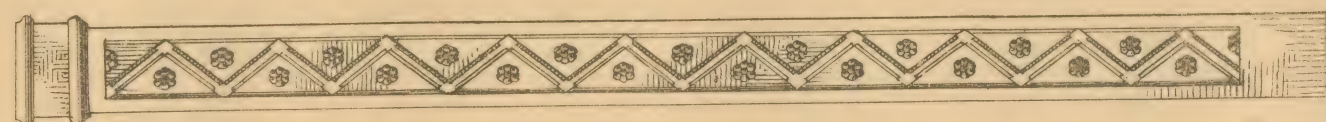
Nº 23.
4 1/2" 6 1/2"



Nº 22.
4 1/2" 6 1/2"



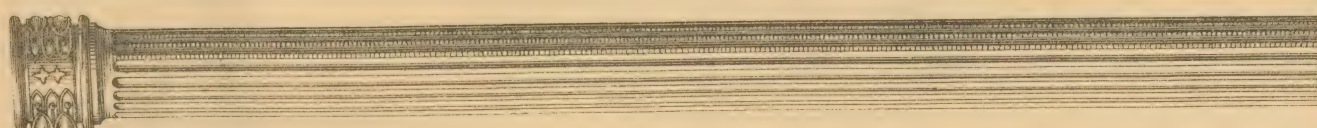
Nº 21.
4 1/2" 6 1/2"



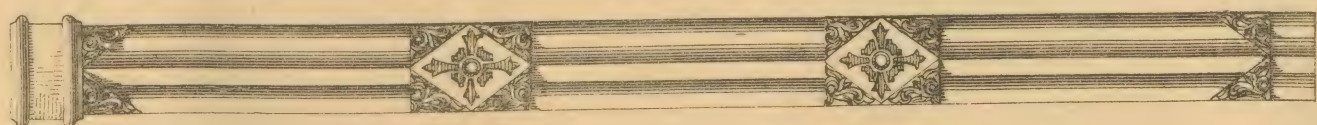
Nº 20.
4 1/2" 6 1/2"



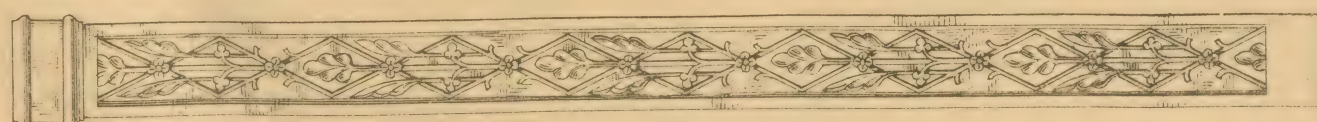
Nº 18.
4 1/2" 5 3/4"



Nº 17.
4 1/2" 5 3/4"

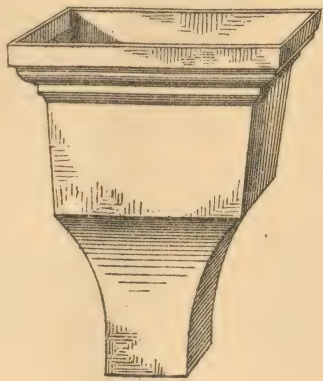


Nº 13.
3 1/2" 4 1/2"

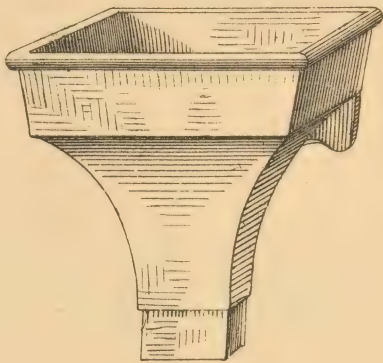


Nº 12.
4 1/2" 6 1/2"

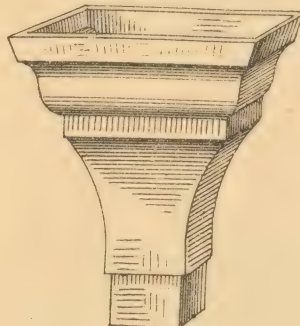
RAIN WATER HEADS.



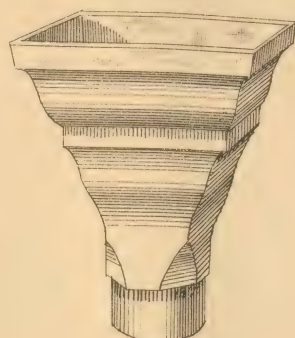
N^o 47.
3" x 2 1/2" to 4" x 3"
AND 3" ROUND.



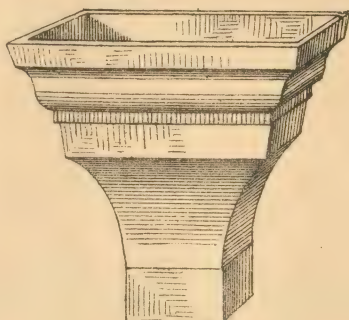
N^o 7.
4" x 4" to 5" x 5"
AND 4" TO 5" ROUND.



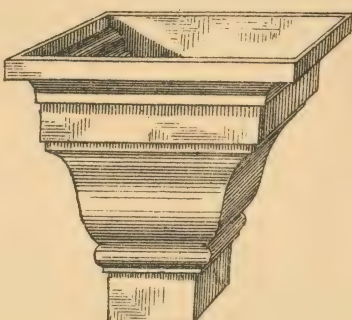
N^o 8.
3" x 2 1/2" to 5" x 3"
AND 3" TO 4" ROUND.



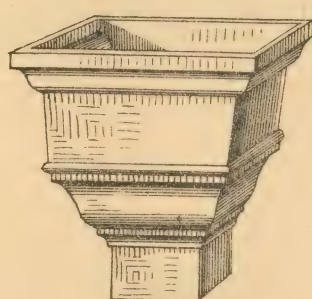
N^o 6.
2" to 3" ROUND.



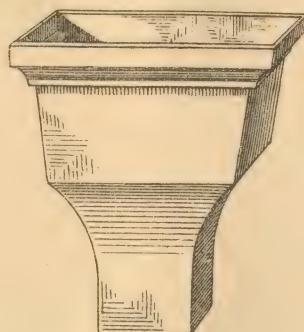
N^o 94.
3" x 2 1/2" to 5" x 5"
AND 3" TO 5" ROUND.



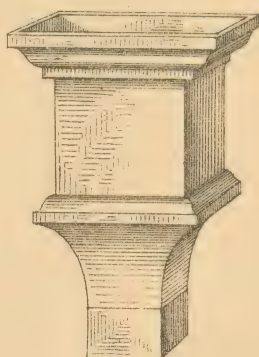
N^o 81.
3" x 2 1/2" to 5" x 3 1/2"
AND 3 1/2" ROUND.



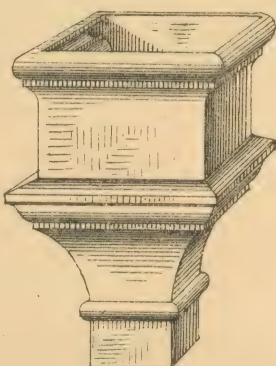
N^o 41.
3" x 2 1/2" to 4" x 4"
AND 3" TO 4" ROUND.



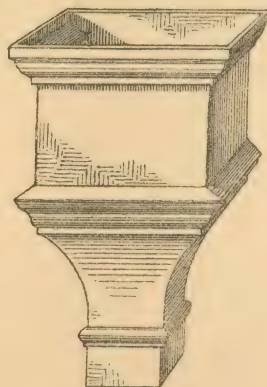
N^o 69.
3" x 2 1/2" to 4" x 4"
AND 3" TO 4" ROUND.



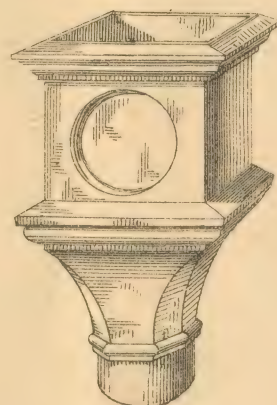
N^o 1.
3" x 2 1/2" to 4" x 4"
AND 3" TO 4" ROUND.



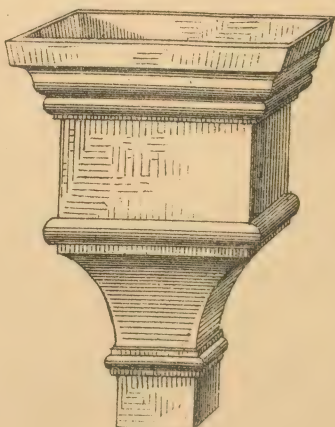
N^o 83.
3" x 2 1/2" to 4" x 3"
AND 3" ROUND.



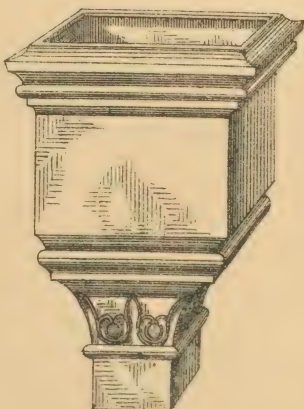
N^o 74.
3" x 2 1/2" to 4" x 3"
AND 3" ROUND.



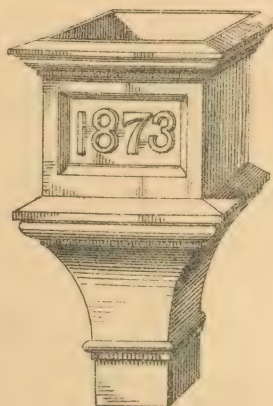
N^o 18.
3" x 2 1/2" to 4" x 3"
AND 3" TO 3 1/2" ROUND.



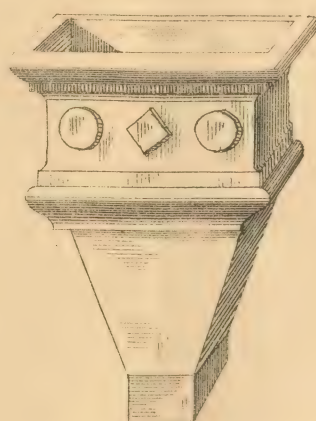
N^o 4.
3" x 2 1/2" to 6" x 4"
AND 3" TO 5" ROUND.



N^o 49.
4" x 3"
AND 3" ROUND.

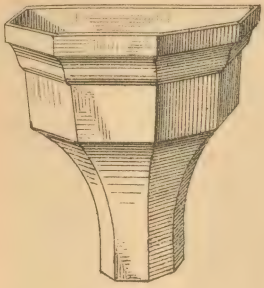


N^o 93.
3" x 2 1/2" to 4 1/2" x 3"
AND 3" TO 4" ROUND.

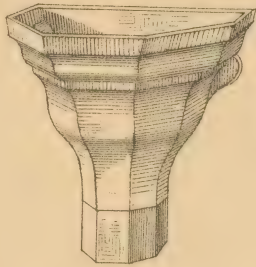


N^o 60.
3" x 2 1/2" to 4" x 3"
AND 3" ROUND.

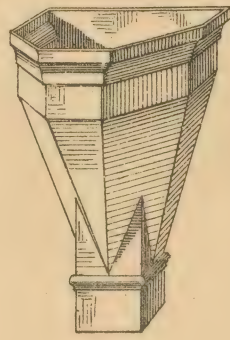
RAIN WATER HEADS, (CONT'D)



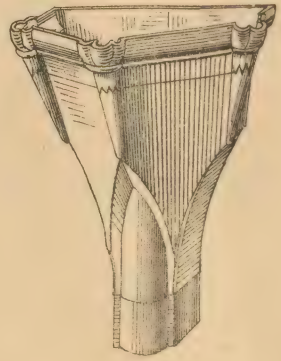
N^o 30.
3" x 2 1/2" and 3" x 3"
AND 3" ROUND.



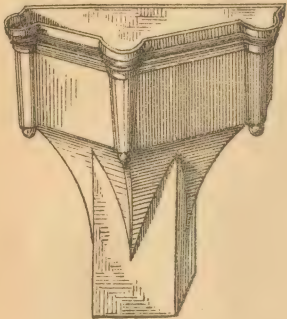
N^o 9.
2" to 6" ROUND.



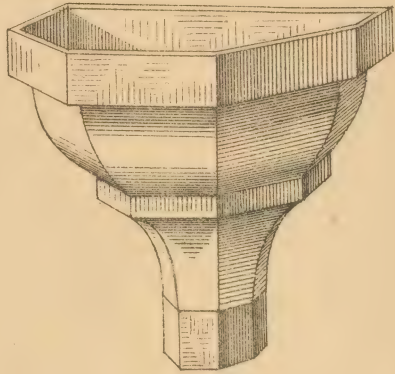
N^o 90.
3" x 2 1/2" to 4" x 3"
AND 3" ROUND.



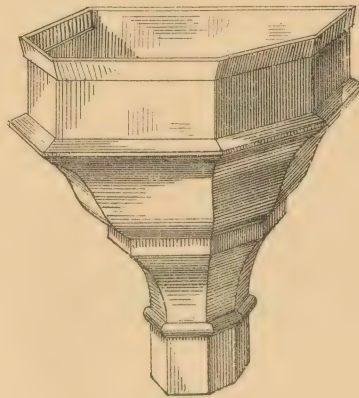
N^o 30.
3" x 2 1/2" to 4" x 4"
AND 3" TO 6" ROUND.



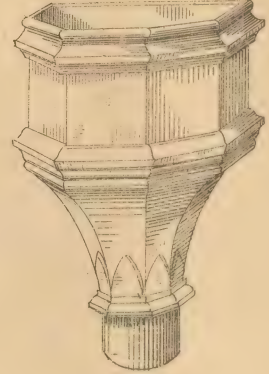
N^o 54.
3" x 2 1/2" to 3 1/2" x 2 1/2"
AND 3" TO 3 1/2" ROUND.



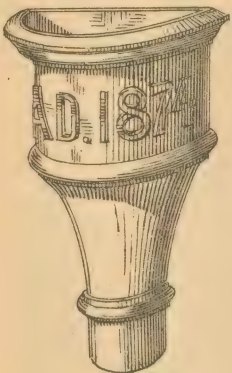
N^o 15.
3" x 3" to 6" x 6"
AND 3" TO 7" ROUND.



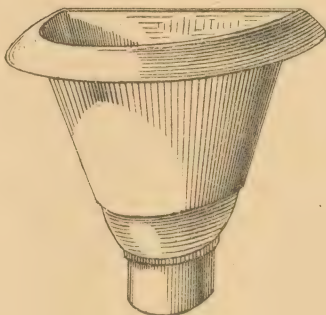
N^o 50.
3" x 2 1/2" to 4" x 3"
AND 3" TO 4" ROUND.



N^o 89.
3" x 2 1/2" to 4" x 3"
AND 3" ROUND.



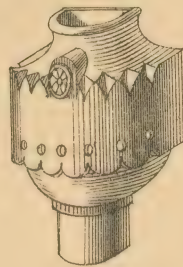
N^o 19.
3" x 2 1/2" to 4" x 4"
AND 3" TO 5" ROUND.



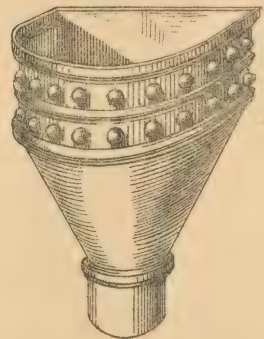
N^o 40.
3" ROUND.



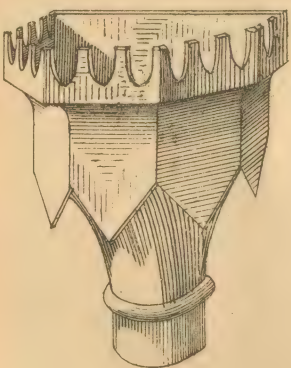
N^o 32.
2" x 2"
AND 2" ROUND.



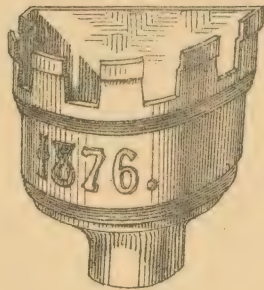
N^o 33.
3" x 2 1/2" and 3" x 3"
AND 2" TO 3" ROUND.



N^o 78.
3" ROUND.



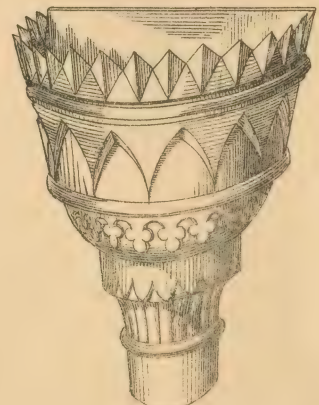
N^o 2.
3" x 3" to 5" x 5"
AND 3" TO 5" ROUND.



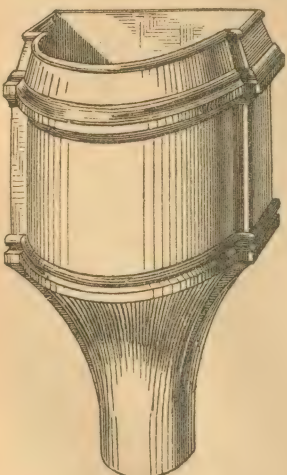
N^o 96.
2 1/2" to 3" ROUND.



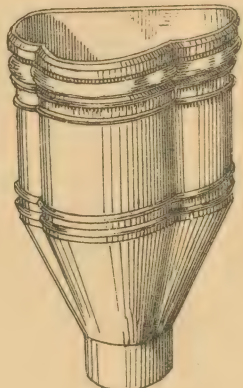
N^o 23.
4" to 5" ROUND.



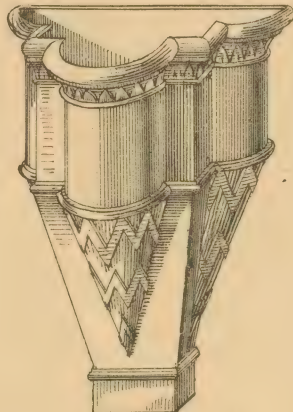
N^o 37.
3" ROUND.



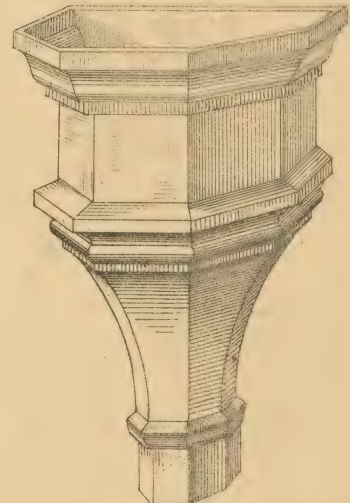
N^o 76.
3" x 2 1/2" to 4" x 4"
AND 3" TO 4" ROUND.



N^o 61.
4" x 4"
AND 4" ROUND.

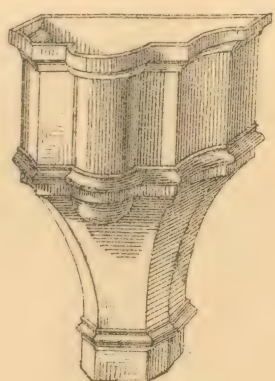


N^o 75.
4 1/2" x 3".

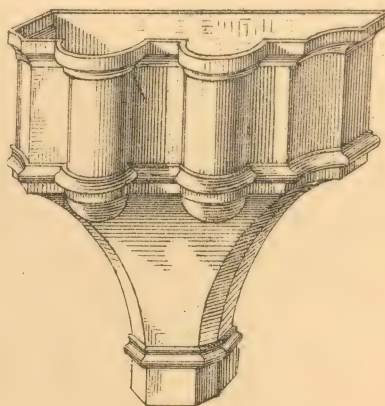


N^o 27.
4" x 4" to 6" x 3".
AND 3 1/2" TO 6" ROUND.

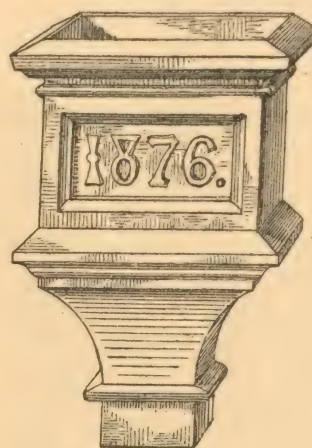
RAIN WATER HEADS. (CONT'D)



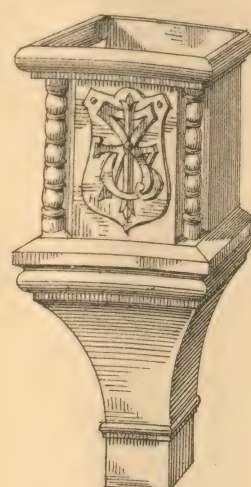
Nº 92.
3" 2 1/2" to 3 1/2" 3"
AND 3" ROUND



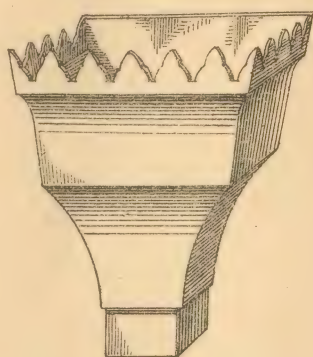
Nº 91.
3" 2 1/2" to 3 1/2" 3"
AND 3" ROUND



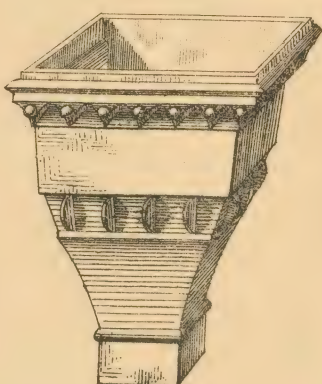
Nº 73.
3" 2 1/2" to 4" x 3"
AND 3" ROUND



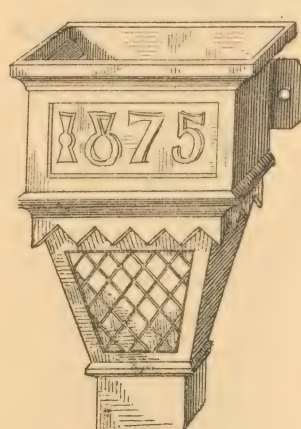
Nº 28.
3" 2 1/2" to 4" x 4"
AND 3" TO 4" ROUND



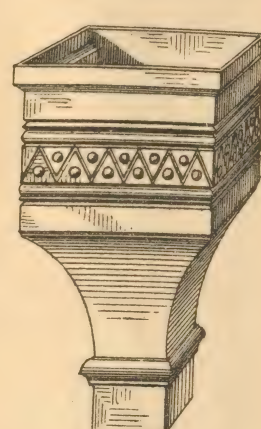
Nº 16.
3" 2 1/2" to 4" x 4"
AND 3" TO 6" ROUND



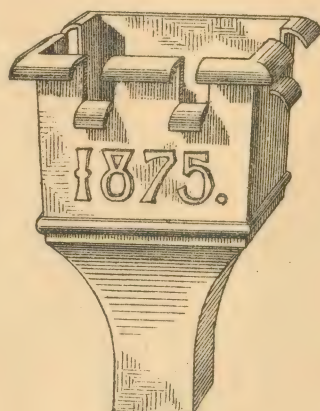
Nº 46.
4" x 3"



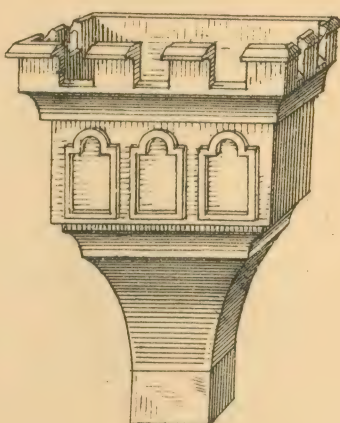
Nº 77.
3" 2 1/2" to 4 1/2" x 3"
AND 3" ROUND



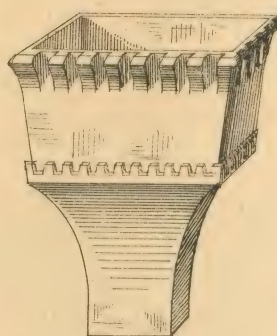
Nº 70.
3" 2 1/2" to 5" 3 1/2"
AND 3" TO 4" ROUND



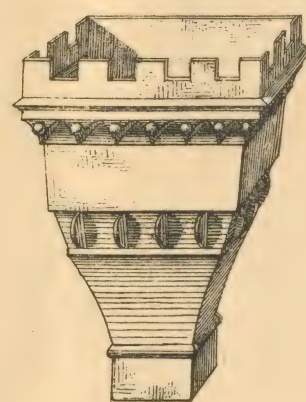
Nº 68.
3" 2 1/2" to 4" x 3"
AND 3" ROUND



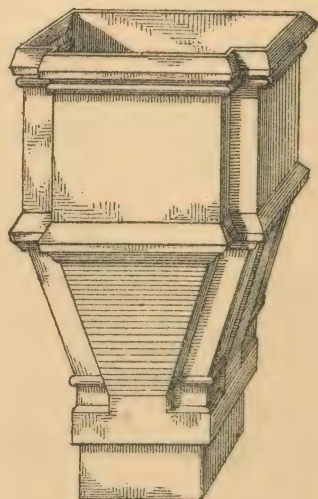
Nº 5.
3" 2 1/2" to 5" x 5"



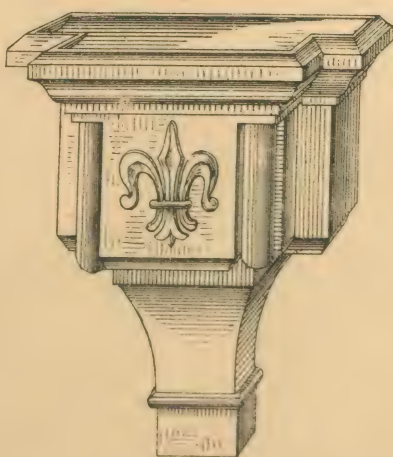
Nº 59.
3" 2 1/2" to 4" x 3"
AND 3" ROUND



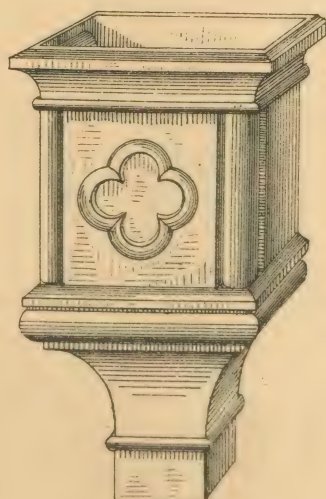
Nº 100.
4" x 3"



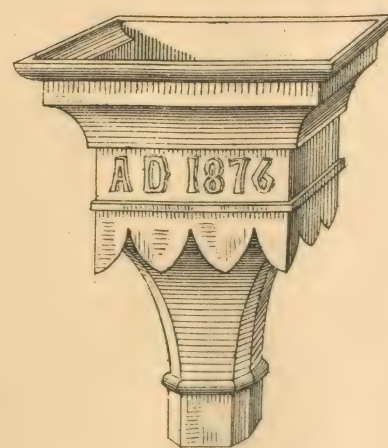
Nº 88.
6" 4"
AND 4" ROUND



Nº 45.
3" 2 1/2" to 4" x 3"
AND 3" ROUND

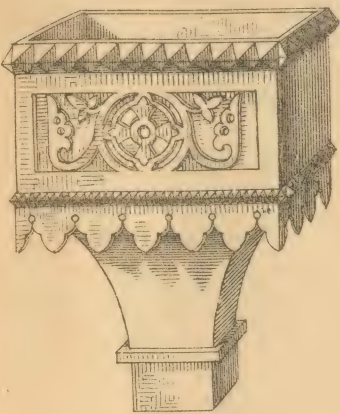


Nº 51.
3" 2 1/2" to 4" x 4"
AND 3" TO 4" ROUND

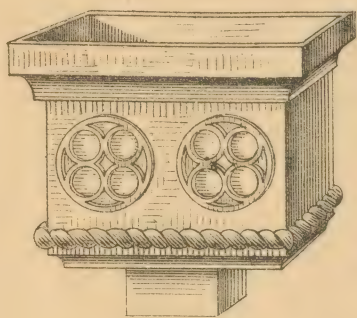


Nº 10.
4" x 3"
AND 3" TO 4" ROUND

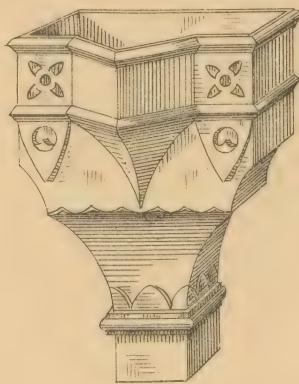
RAIN WATER HEADS, (CONT'D)



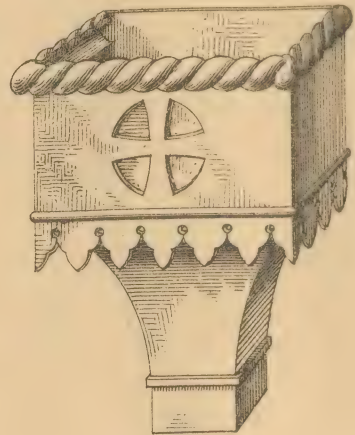
N^o29
3" 2 1/2" to 4" x 4"



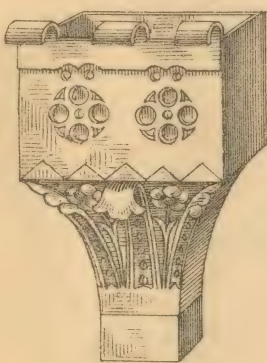
N^o44.
3" 2 1/2" to 6" x 6"
AND 3" to 6" ROUND.



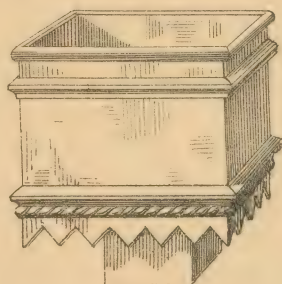
N^o24.
4" x 3"



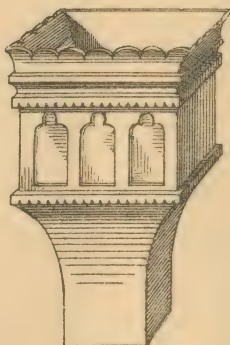
N^o48.
4" x 3"



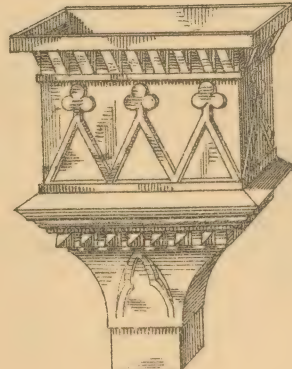
N^o35.
3" 2 1/2" to 5" x 5"
AND 3" to 5" ROUND.



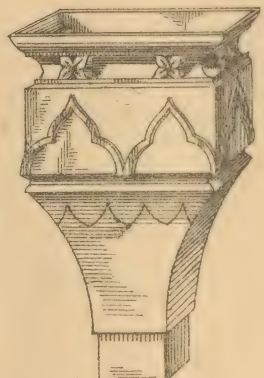
N^o53.
3" 2 1/2" to 6" x 6"
AND 3" to 5" ROUND.



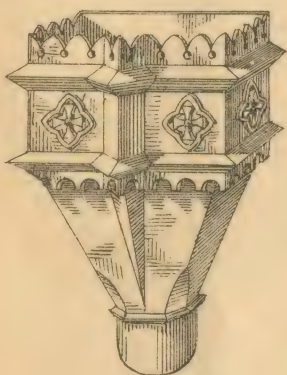
N^o3.
3" 2 1/2" to 4" x 4"



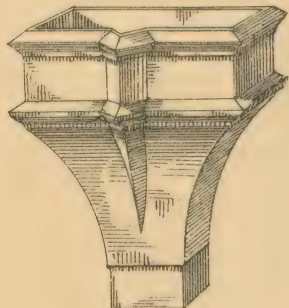
N^o14.
3" 2 1/2" to 5" x 3 1/2"



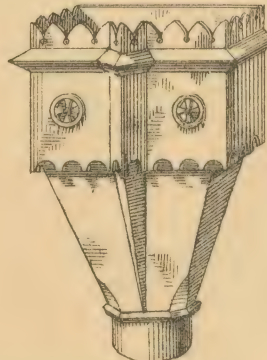
N^o21.
3" 2 1/2" to 5" x 3 1/2"
AND 3" to 4" ROUND.



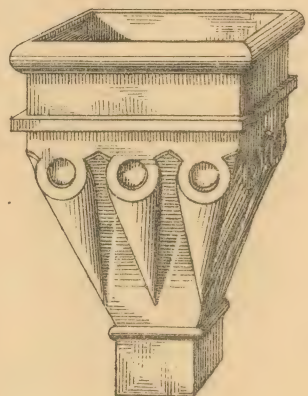
N^o17.
3" ROUND.



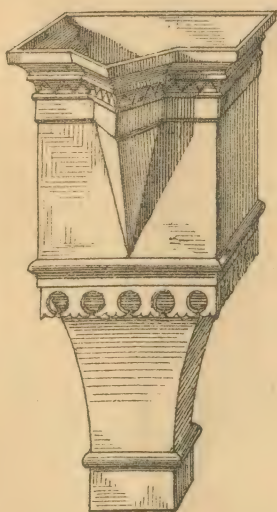
N^o22.
3" 2 1/2" to 4" x 3"
AND 3" to 4" ROUND.



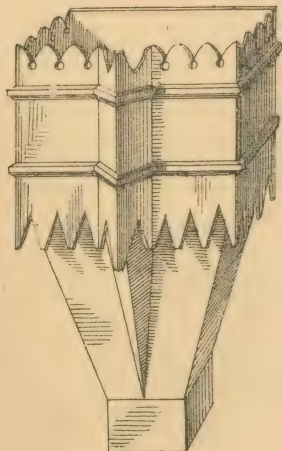
N^o97.
3" 2 1/2" to 3" x 3"
AND 3" ROUND.



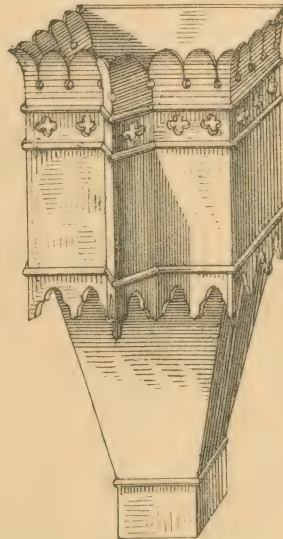
N^o64.
3" 2 1/2" to 4" x 3"
AND 3" to 4" ROUND.



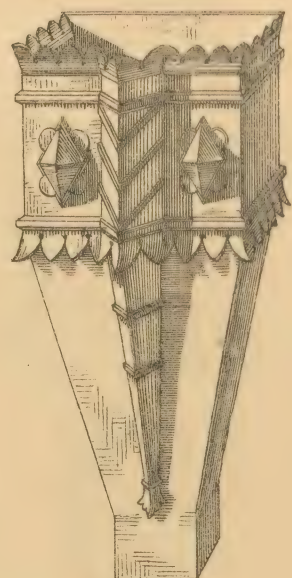
N^o63.
3" 2 1/2" to 4" x 4"
AND 3" to 4" ROUND.



N^o66.
4" x 3"

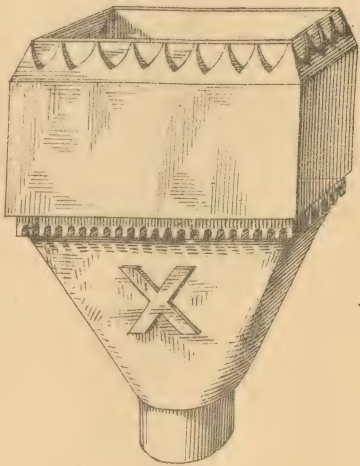


N^o84.
3" 2 1/2" to 4" x 4"

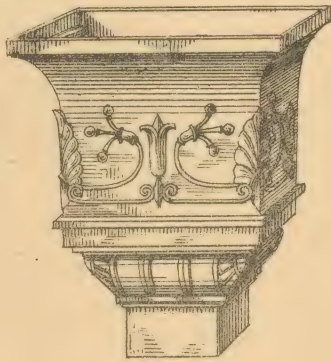


N^o52.
3" 2 1/2" to 4" x 3"

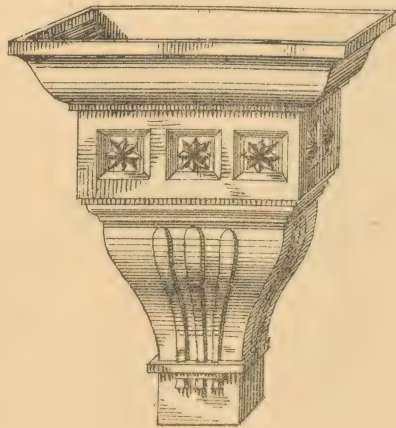
RAIN WATER HEADS, (CONT'D)



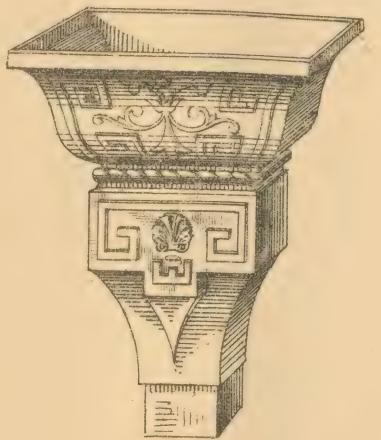
Nº25.
4" x 4"
AND 1 1/2" ROUND.



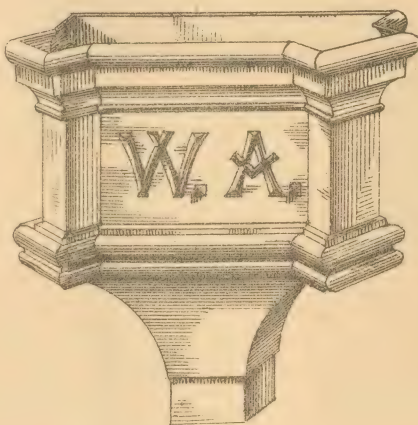
Nº12.
3" x 2 1/2" to 5" x 3 1/2"
AND 3" TO 4" ROUND.



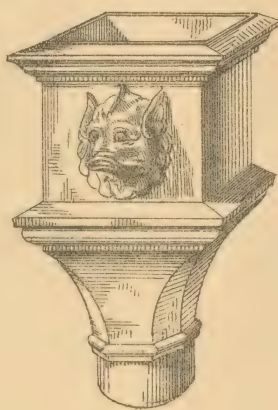
Nº11.
3" x 2 1/2" to 5" x 3 1/2"
AND 3" TO 4" ROUND.



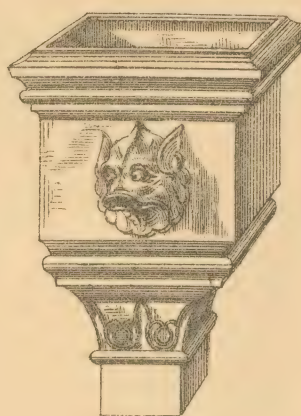
Nº105.
3" x 2 1/2" to 4" x 4"
AND 3" TO 4" ROUND.



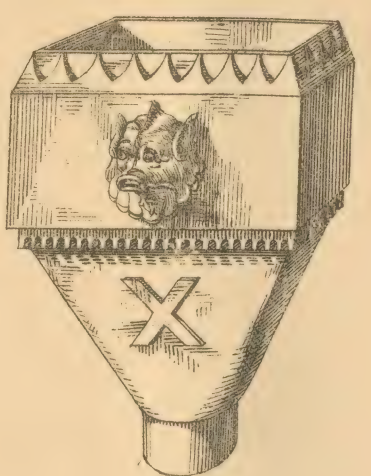
Nº20.
4" x 4" to 5" x 4"
AND 3" TO 4" ROUND.



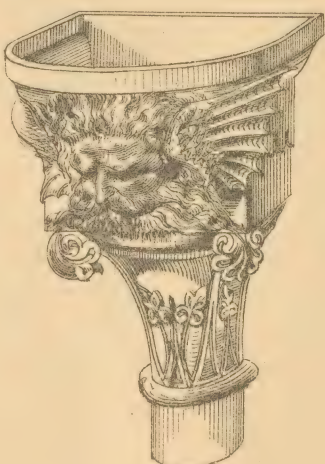
Nº102.
3" x 2 1/2" to 4" x 3"
AND 3" TO 3 1/2" ROUND.



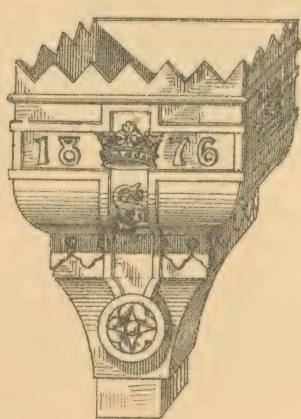
Nº104.
4" x 3"
AND 3" ROUND.



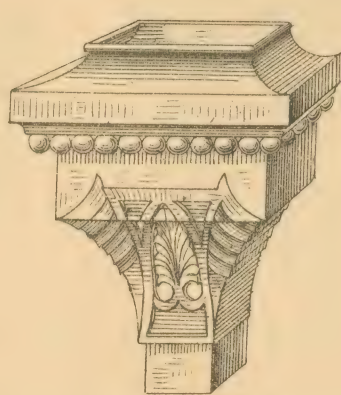
Nº103.
4" x 4"
AND 1 1/2" ROUND.



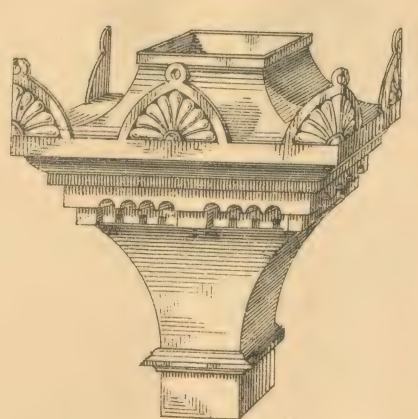
Nº39.
4" x 3"
AND 3" ROUND.



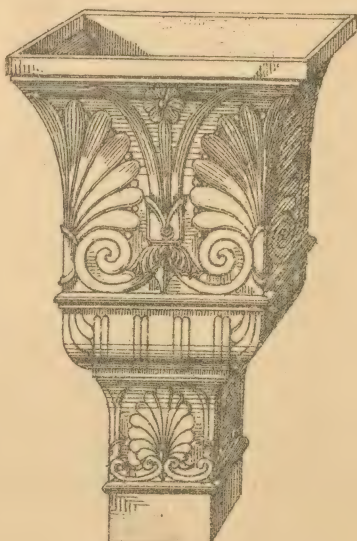
Nº31.
3" x 2 1/2" to 4" x 3"
AND 3" ROUND.



Nº36.
3" x 2 1/2" to 4" x 3"
AND 3" ROUND.



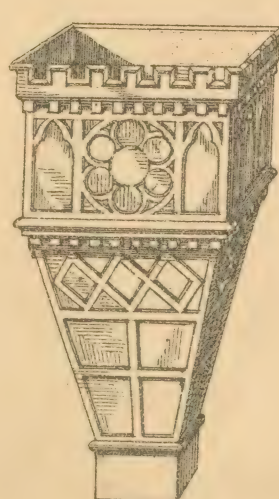
Nº26.
3" x 3" to 4" x 4"
AND 3" TO 4" ROUND.



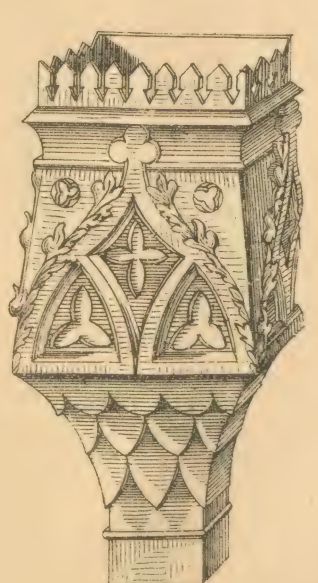
Nº85.
5" x 4"
AND 4" ROUND.



Nº13.
3" to 4" ROUND.



Nº82.
3" x 2 1/2" to 4" x 4"
AND 3" TO 4" ROUND.



Nº34.
5" x 3 1/2"
AND 3" TO 4" ROUND.

RAIN WATER EARS.



N^o28.
2" to 5"



N^o76.
2" to 4"



N^o16.
2" to 5"



N^o102.
2" to 4"



N^o53.
2" to 5"



N^o57.
2" to 4 1/2"



N^o103.
4" to 5"



N^o113.
2" to 4"



N^o51.
2" to 4"



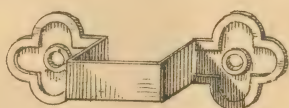
N^o84.
2" to 5"



N^o41.
3" to 5"



N^o39.
2 1/2" to 5"



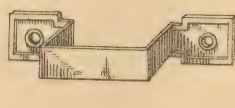
N^o1.
2" to 6"



N^o46.
2" to 6"



N^o59.
3" to 4 1/2"



N^o94.
2" to 4 1/2"



N^o61.
2" to 5"



N^o3.
2 1/2" to 6"



N^o62.
2 1/2" to 6"



N^o50.
2" to 5"



N^o86.
2" to 5"



N^o80.
2" to 5"



N^o89.
3"



N^o15.
3" to 4"



N^o48.
2 1/2" to 4 1/2"



N^o27.
2 1/2" to 5"



N^o111.
3" to 4 1/2"



N^o19.
3" to 5"

RAIN WATER EARS, (CONTINUED.)



Nº 9.
2" to 4".



Nº 100.
3" to 5".



Nº 13.
3" to 6".



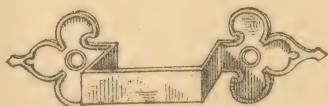
Nº 11.
3" to 6".



Nº 33.
2" to 6".



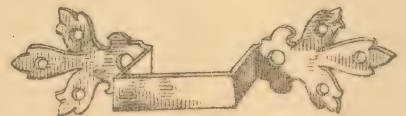
Nº 37.
3" to 5".



Nº 42.
2 1/2" to 4 1/2".



Nº 8.
3" to 5".



Nº 34.
3" to 5".



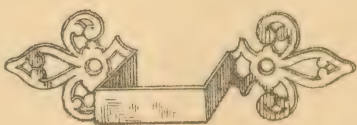
Nº 31.
2 1/2" to 6".



Nº 87.
3" to 4".



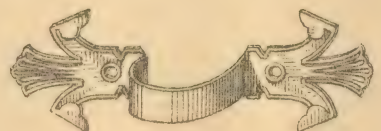
Nº 101.
2" to 6".



Nº 2.
3" to 4 1/2".



Nº 91.
2 1/2" to 5".



Nº 18.
3" to 5".



Nº 17.
2 1/2" to 6".



Nº 10.
2" to 6".



Nº 23.
2 1/2" to 5".



Nº 88.
3" to 6".



Nº 56.
2" to 6".



Nº 12.
2" to 6".



Nº 44.
2 1/2" to 5".



Nº 114.
3" to 6".



Nº 38.
2 1/2" to 5".



Nº 112.
3" to 5".

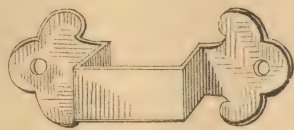


Nº 30.
3" to 6".

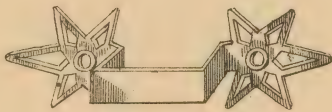


Nº 65.
3" to 5".

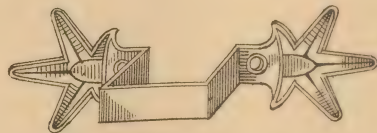
RAIN WATER EARS, (CONTINUED.)



N^o 29.
4" to 6"



N^o 35.
3" to 5"



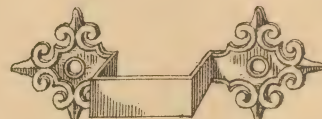
N^o 90.
2 1/2" to 4 1/2"



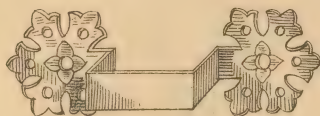
N^o 24.
2 1/2" to 6"



N^o 14.
3" to 6"



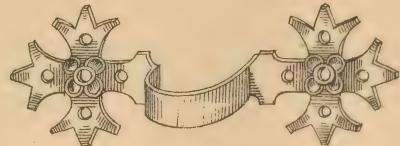
N^o 6.
2 1/2" to 6"



N^o 20.
3" to 5"



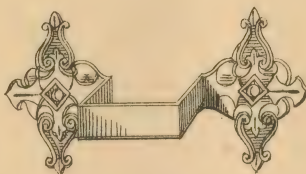
N^o 95.
5" to 6"



N^o 60.
4" to 5"



N^o 4.
2" to 6"



N^o 67.
3" to 5"



N^o 47.
2 1/2" to 5"



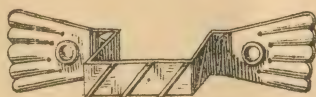
N^o 7.
2 1/2" to 6"



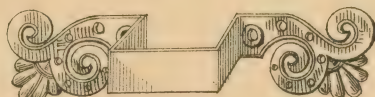
N^o 22.
2 1/2" to 4"



N^o 71.
3" to 5"



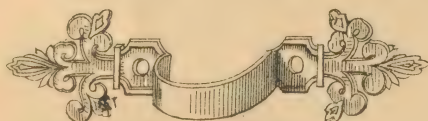
N^o 85.
3" to 4"



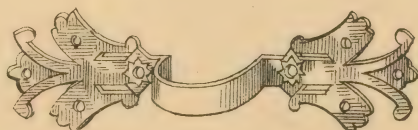
N^o 5.
3" to 6"



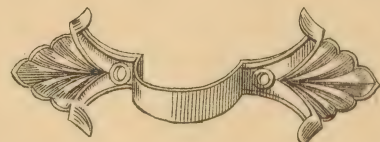
N^o 64.
3" to 5"



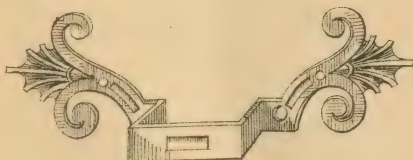
N^o 26.
3" to 6"



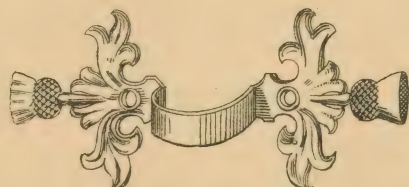
N^o 21.
3 1/2" to 5"



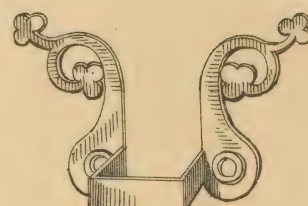
N^o 96.
5" to 6"



N^o 25.
3" to 5"



N^o 63.
3" to 4"



N^o 68.
3" to 5"

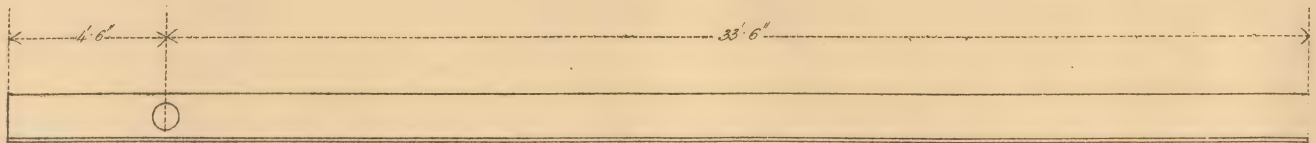
DIRECTIONS FOR ORDERING GUTTERS &c.

It is very desirable that orders for Gutters, &c., be accompanied with Plans, and the following particulars clearly stated:—

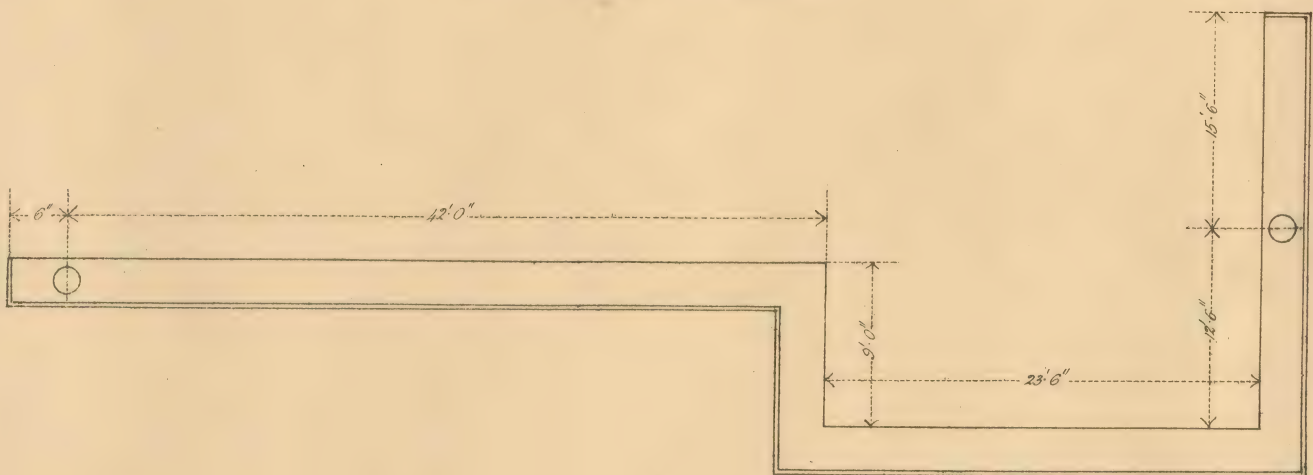
- 1st,—No. and Size of Gutter, as per Section on the following pages.
- 2nd,—Number of Angles, Stop Ends, Drops, Drop Grates, and Bolts required.
- 3rd,—Position and Size of Outlets.

Measurements should be given as for back of Gutter, and Drops as from centre of same to end of Gutter. The following Examples will illustrate the recognized mode of indicating the necessary particulars, single line showing back of Gutter, and double line the front:—

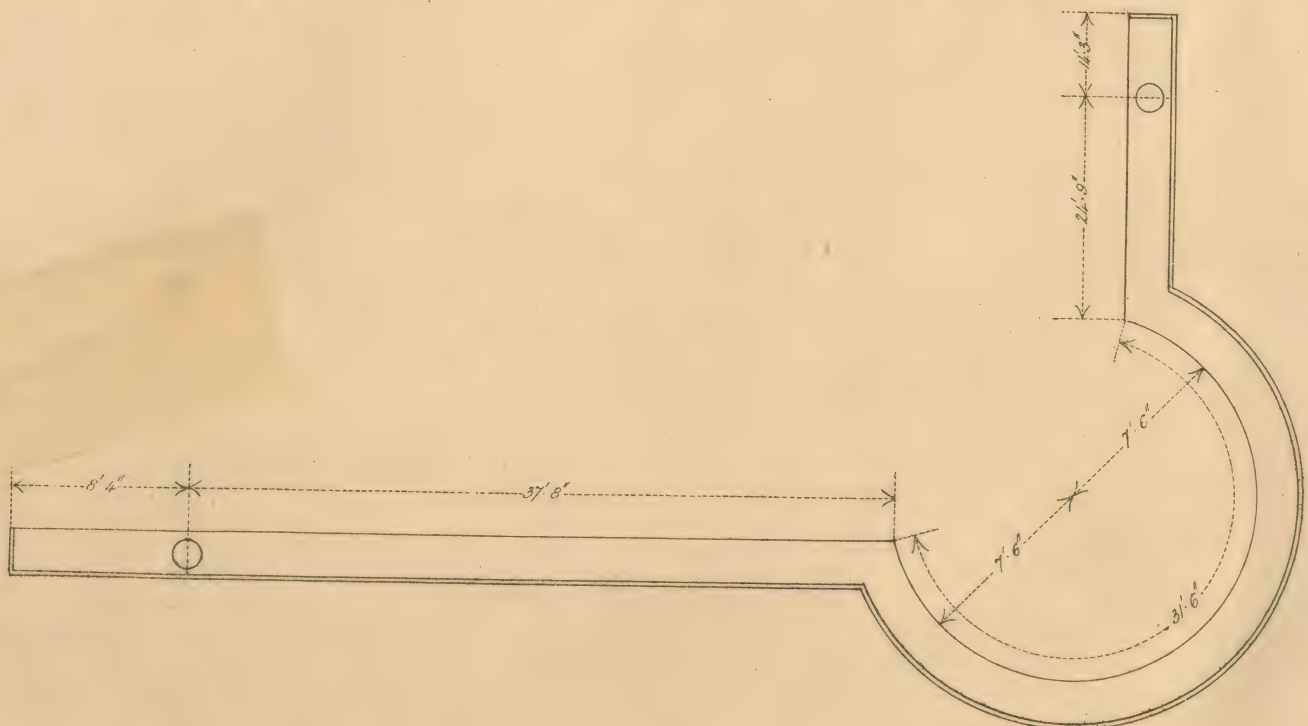
1 Stretch No. 18 Gutter, 6 × 5 in., with 3½ in. Drops, Drop Grate, and Plain Stop End, as Sketch.

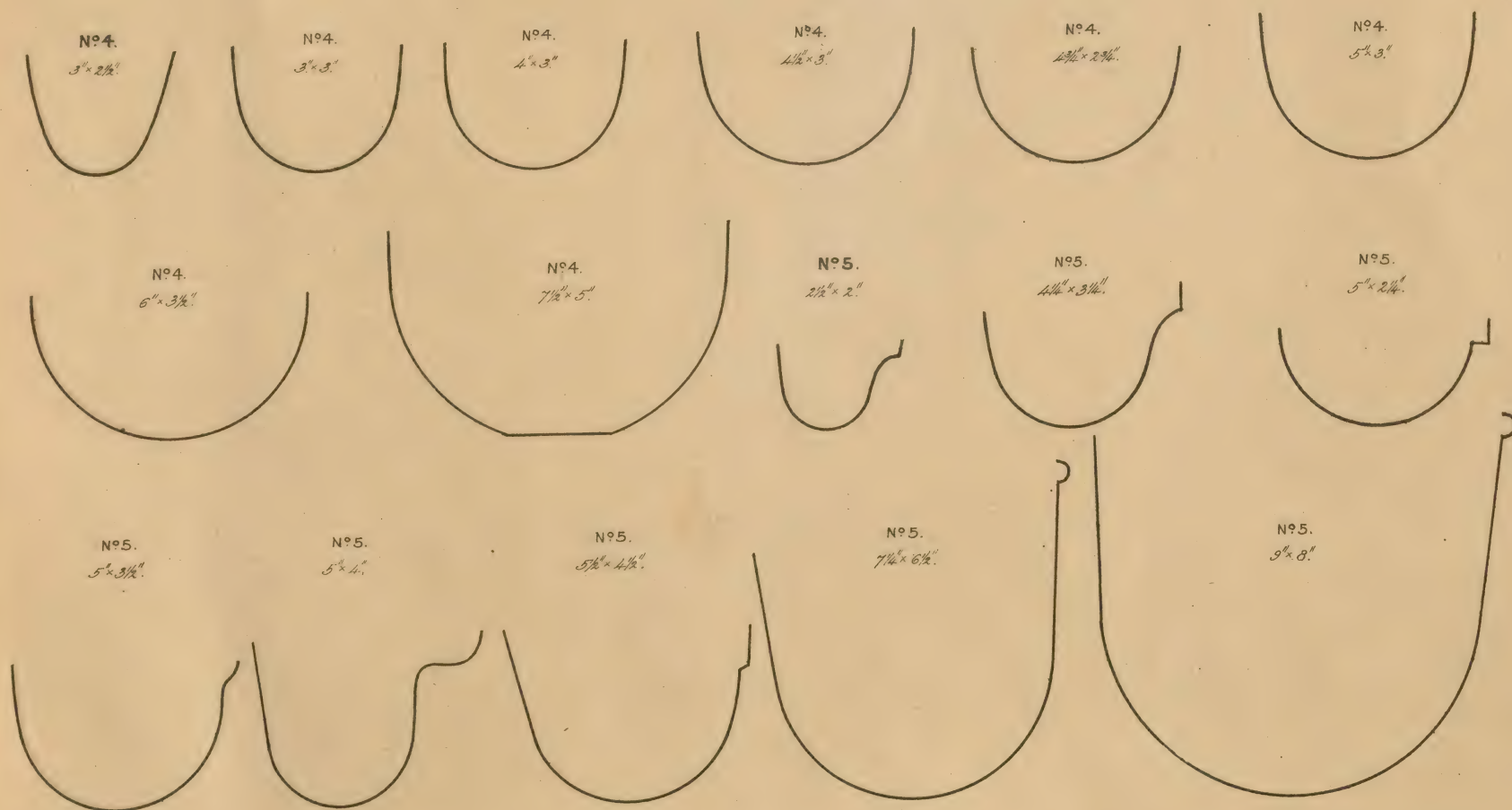
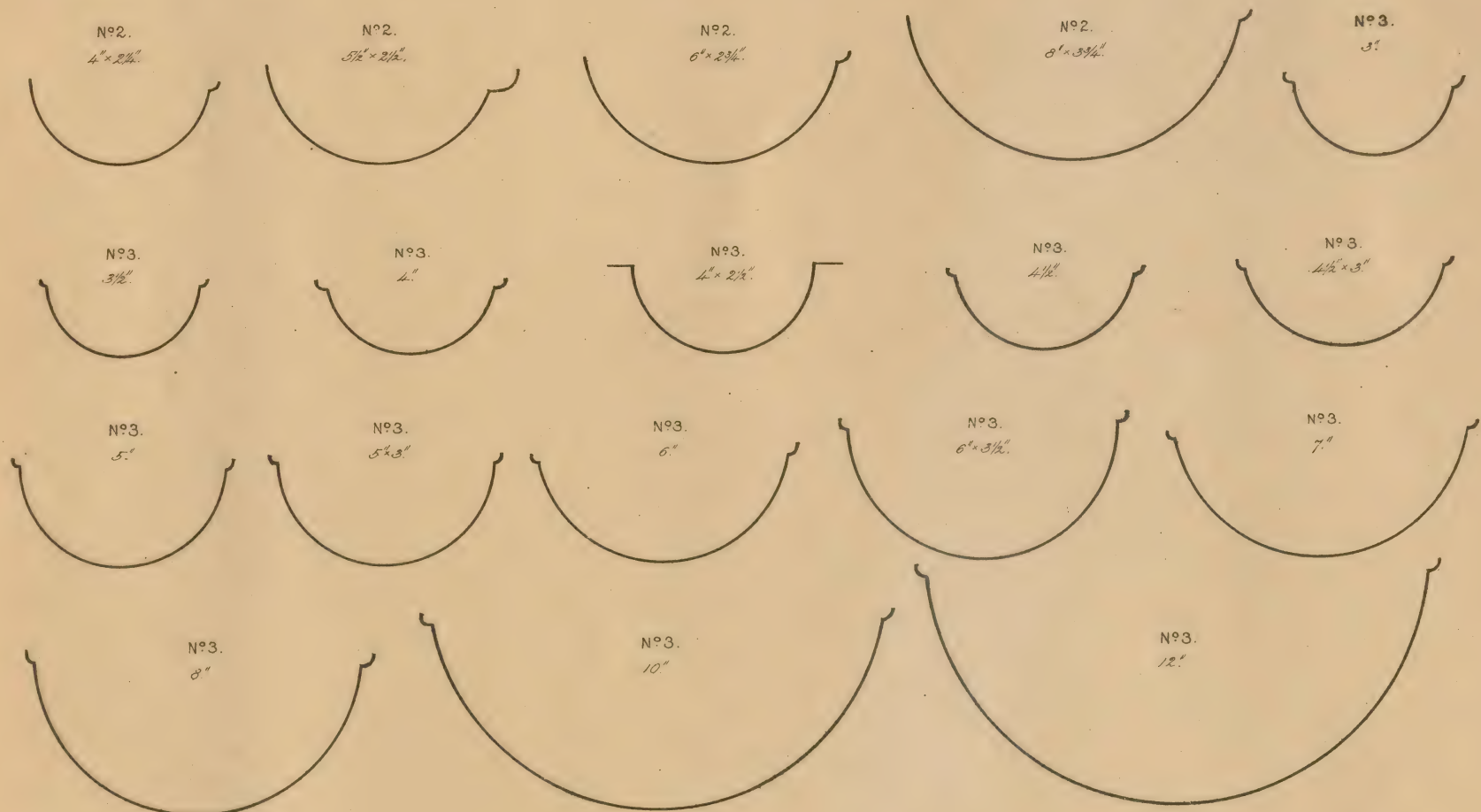
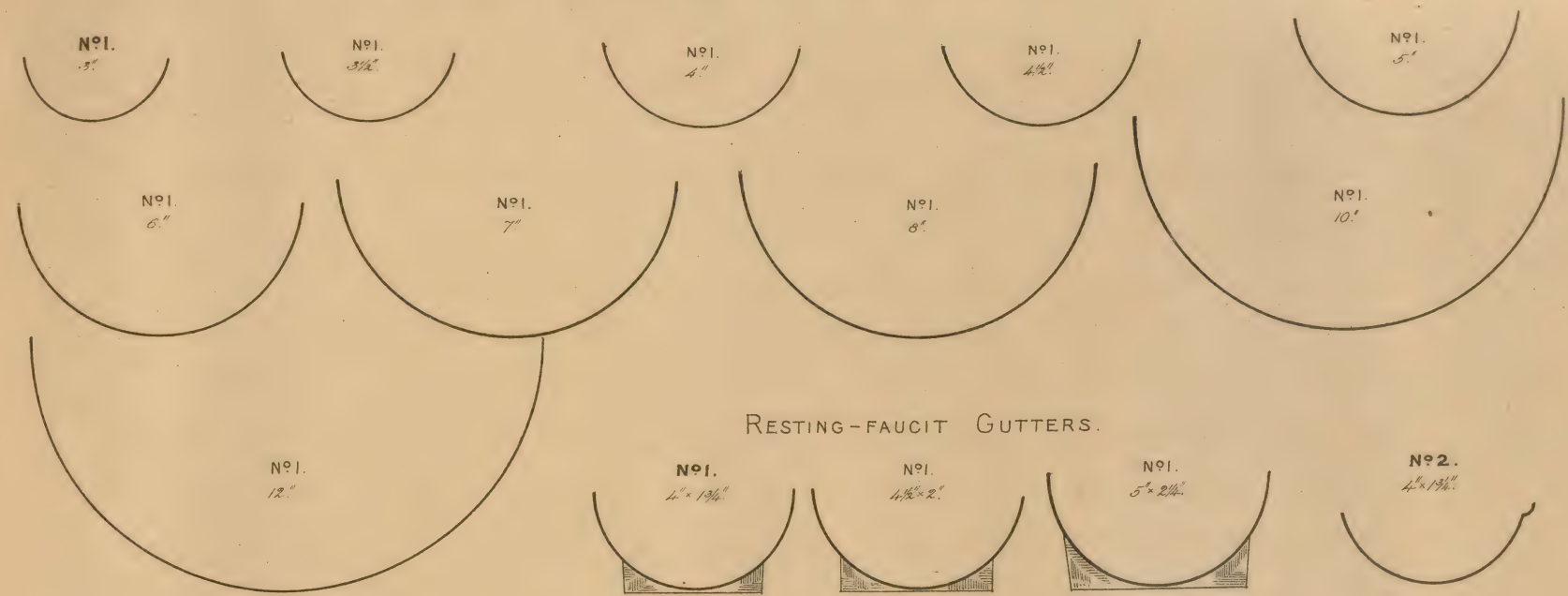


1 Stretch No. 42 Gutter, 8 × 6 in., with 1 Internal and 2 External Angles, 4 in. Drops, Drop Grates, and Ornamental Stop Ends, as Sketch.

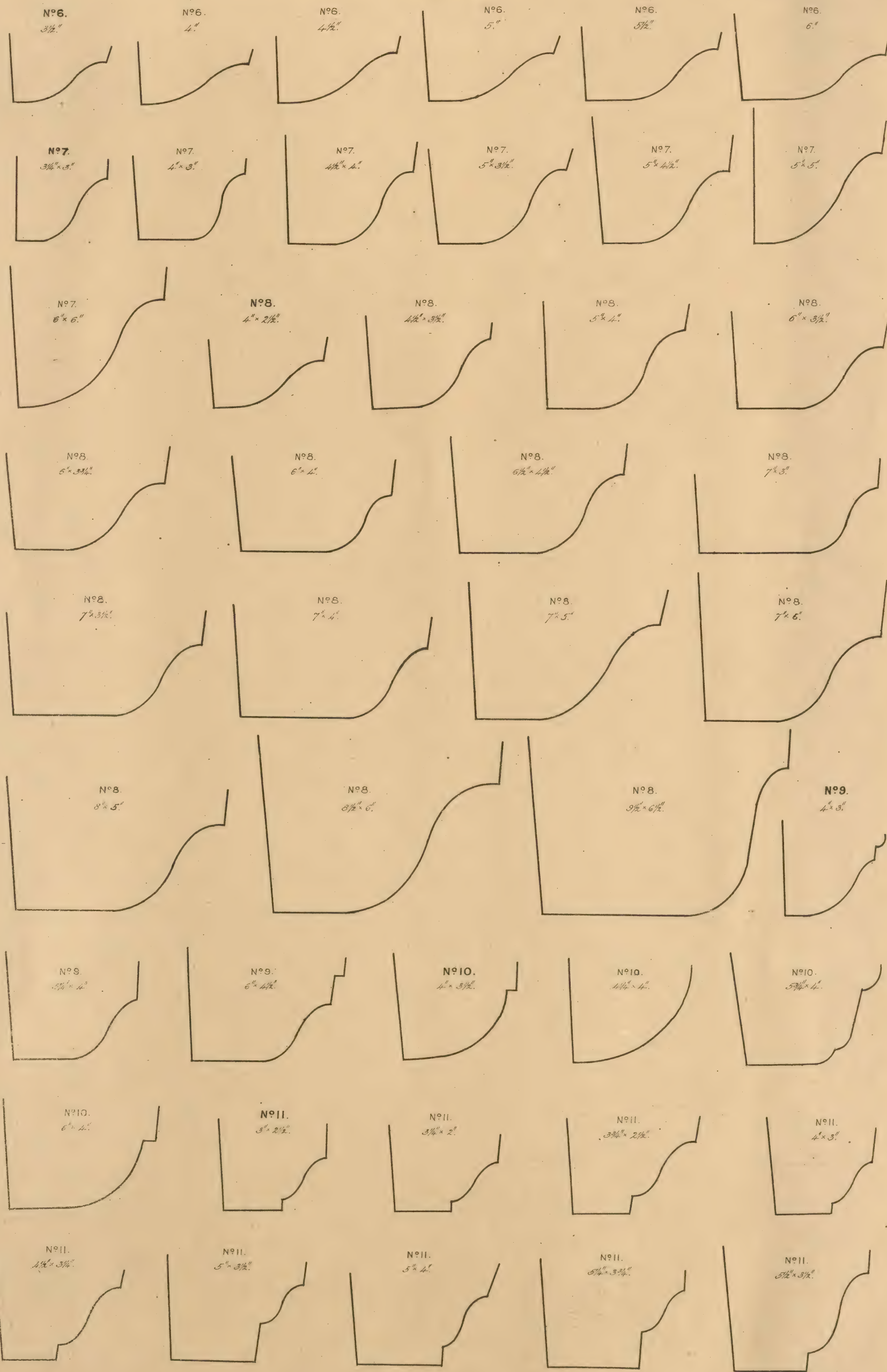


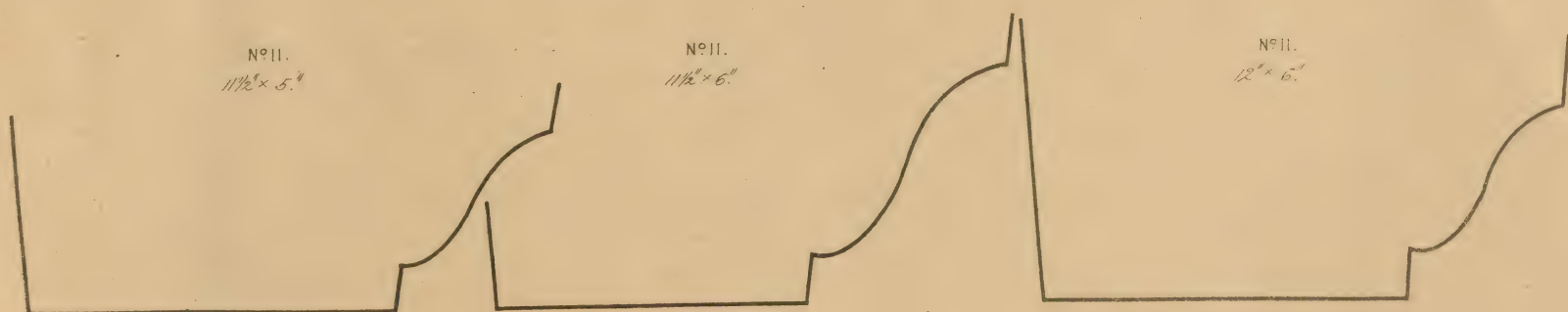
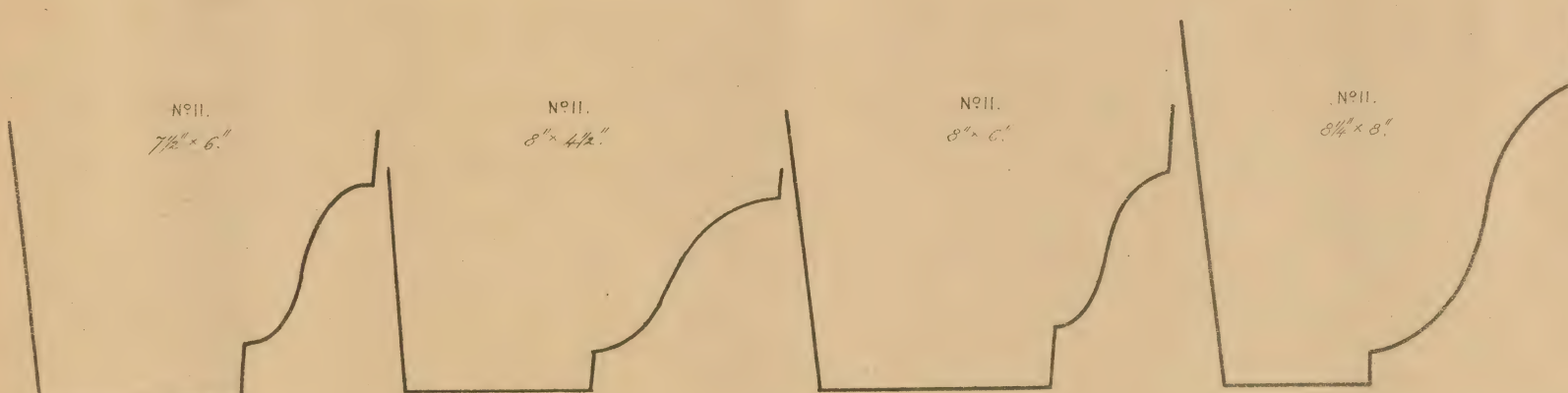
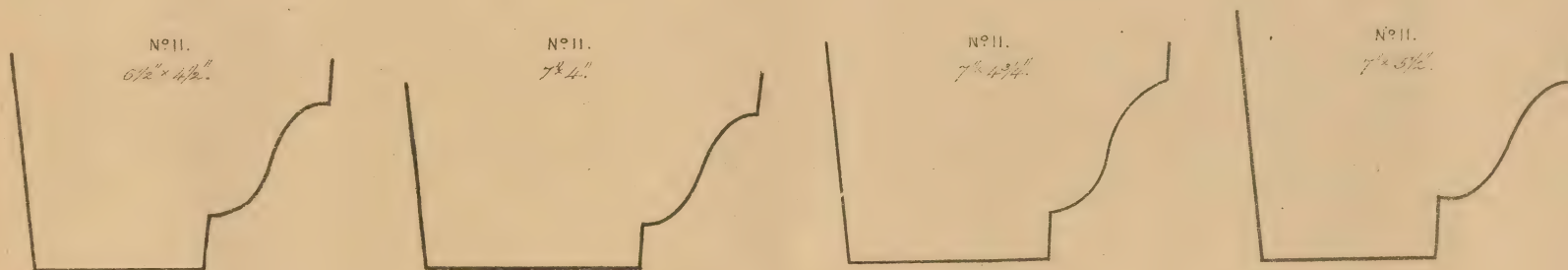
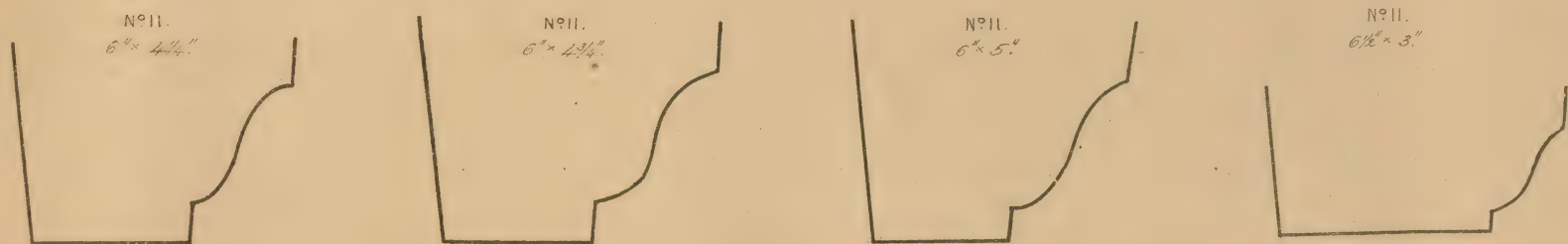
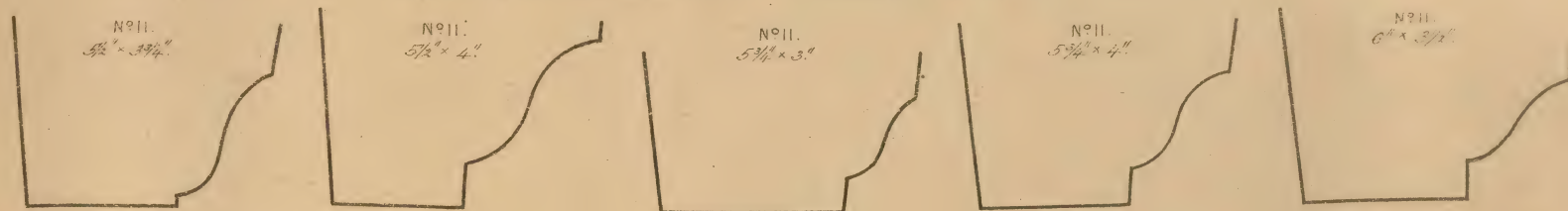
1 Stretch No. 109 Figured Gutter, 5 × 4 in.; and *ditto*, Circled to 7 ft. 6 in. radius, with 4 in. Drops, Drop Grates, and Ornamental Stop Ends, as Sketch, and 2 Special Angles, as per Templates.



RAIN WATER GUTTER SECTIONS, $\frac{1}{4}$ SIZE.

RAIN WATER GUTTER SECTIONS, $\frac{1}{4}$ SIZE, (CONT'D)

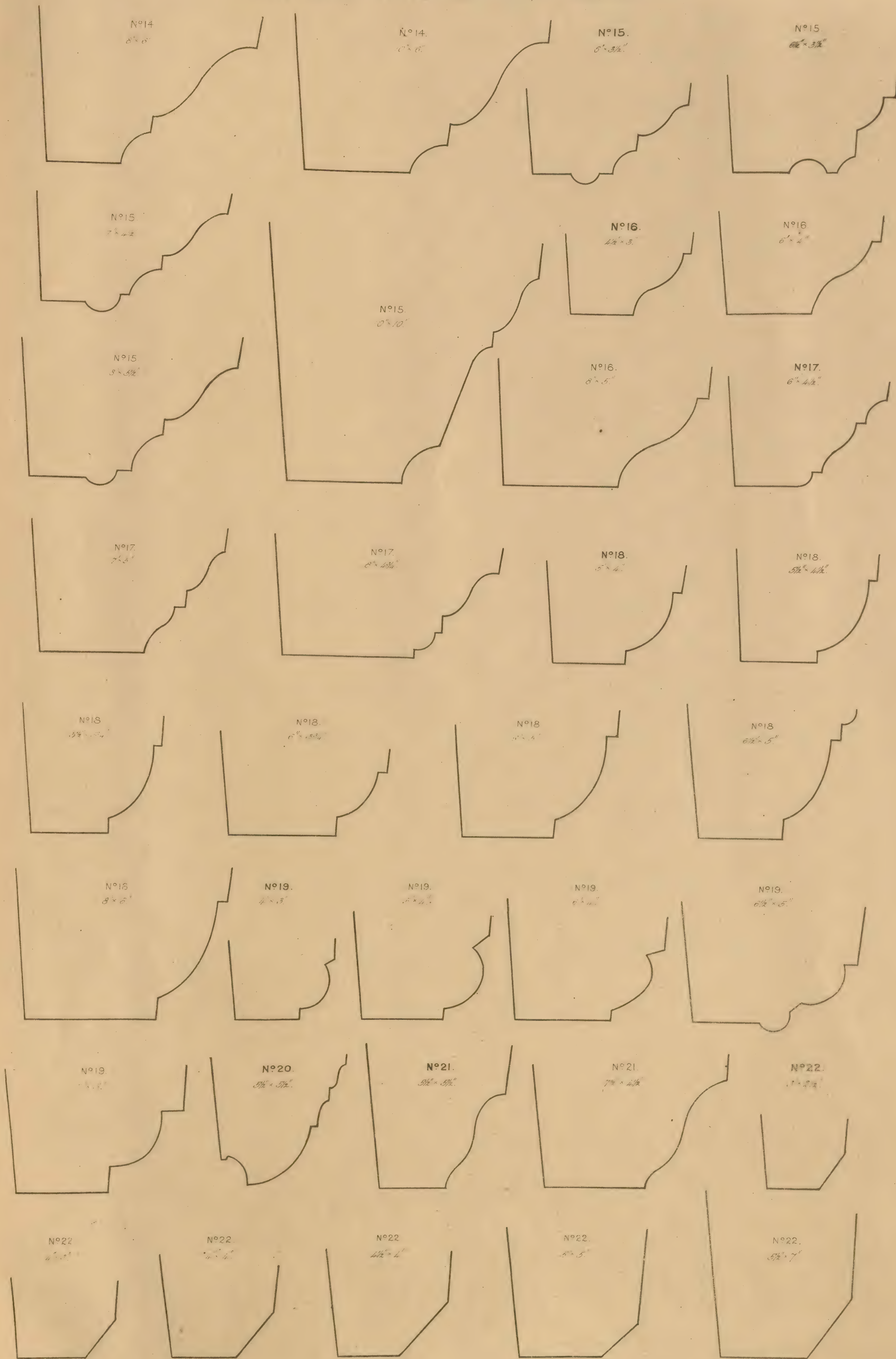


RAIN WATER GUTTER SECTIONS, $\frac{1}{4}$ SIZE, (CONT'D)

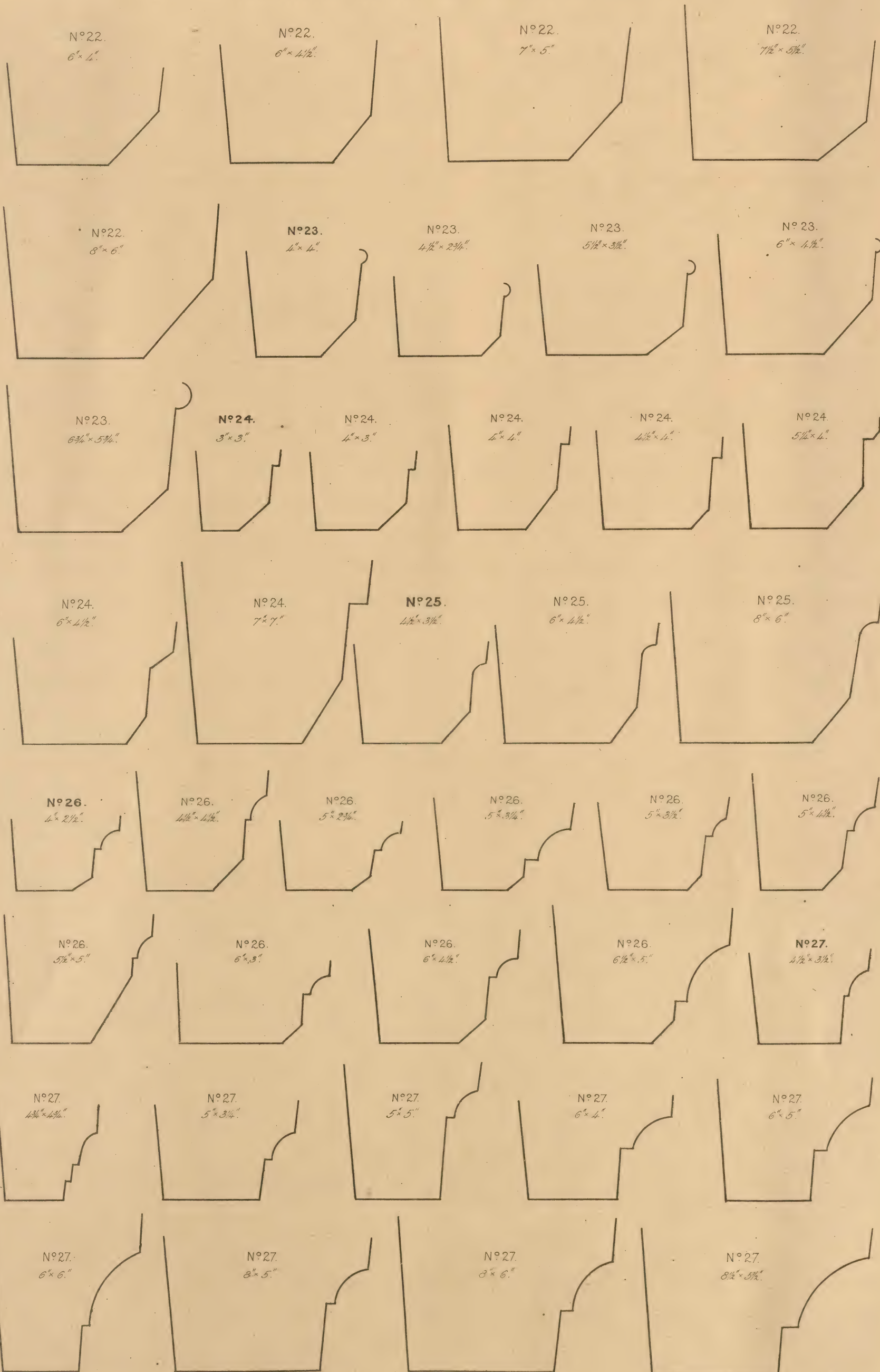
RAIN WATER GUTTER SECTIONS, $\frac{1}{4}$ SIZE. (CONT'D)



RAIN WATER GUTTER SECTIONS, $\frac{1}{4}$ SIZE, (CONT.^D)



RAIN WATER GUTTER SECTIONS, $\frac{1}{4}$ SIZE, (CONT^D)



RAIN WATER GUTTER SECTIONS, $\frac{1}{4}$ SIZE, (CONT'D)

N°28.

 $3\frac{1}{2}'' \times 3''$

N°28.

 $4\frac{1}{2}'' \times 3\frac{1}{2}''$

N°28.

 $6'' \times 4\frac{1}{2}''$

N°28.

 $6\frac{1}{2}'' \times 5''$

N°28.

 $8'' \times 6''$

N°28.

 $9\frac{1}{2}'' \times 7\frac{1}{4}''$

N°28.

 $10'' \times 6''$

N°29.

 $6\frac{1}{4}'' \times 4''$

N°29.

 $10'' \times 6''$

N°30.

 $3\frac{3}{4}'' \times 3''$

N°30.

 $4\frac{1}{4}'' \times 2\frac{1}{2}''$

N°30.

 $6'' \times 3\frac{1}{2}''$

N°31.

 $8\frac{1}{2}'' \times 6''$

N°31.

 $5\frac{1}{2}'' \times 5\frac{1}{2}''$

N°32.

 $3'' \times 3''$

N°32.

 $4'' \times 2''$

N°32.

 $4'' \times 2\frac{1}{4}''$

N°32.

 $4'' \times 3''$

N°32.

 $4\frac{1}{2}'' \times 3''$

N°32.

 $4\frac{3}{4}'' \times 3''$

N°32.

 $5'' \times 2\frac{3}{4}''$

N°32.

 $5'' \times 3\frac{1}{2}''$

N°32.

 $5'' \times 4''$

N°32.

 $5'' \times 5''$

N°32.

 $6'' \times 4''$

N°32.

 $6'' \times 4\frac{1}{4}''$

N°32.

 $6\frac{1}{2}'' \times 5''$

N°32.

 $7'' \times 5''$

N°32.

 $7\frac{1}{2}'' \times 6''$

N°32.

 $8'' \times 5''$

N°32.

 $8'' \times 6''$

N°32.

 $8\frac{1}{2}'' \times 5''$

RAIN WATER GUTTER SECTIONS, $\frac{1}{4}$ SIZE, (CONT'D)



RAIN WATER GUTTER SECTIONS, 1/4 SIZE, (CONT'D)

Nº42.
4 1/2" x 3 1/2"

Nº42.
6 1/2" x 4 1/2"

Nº42.
8" x 6"

Nº42.
10" x 6"

Nº43.
5 1/2" x 4"

Nº43.
6 1/2" x 5 1/2"

Nº43.
9" x 6 1/2"

Nº44.
6" x 5"

Nº44.
8" x 7"

Nº44.
10" x 7"

Nº45.
4" x 3"

Nº45.
4" x 4"

Nº45.
4" x 6"

Nº45.
4 3/4" x 4"

Nº45.
5 1/2" x 3"

Nº45.
5 1/2" x 5"

Nº45.
5 1/2" x 5 1/2"

Nº45.
5" x 6 1/2"

Nº45.
5 1/4" x 4"

Nº45.
5 1/2" x 6"

Nº45.
6" x 3"

Nº45.
6" x 4"

Nº45.
6" x 5"

Nº45.
6" x 5 1/2"

Nº45.
6" x 8"

Nº45.
6 1/2" x 5"

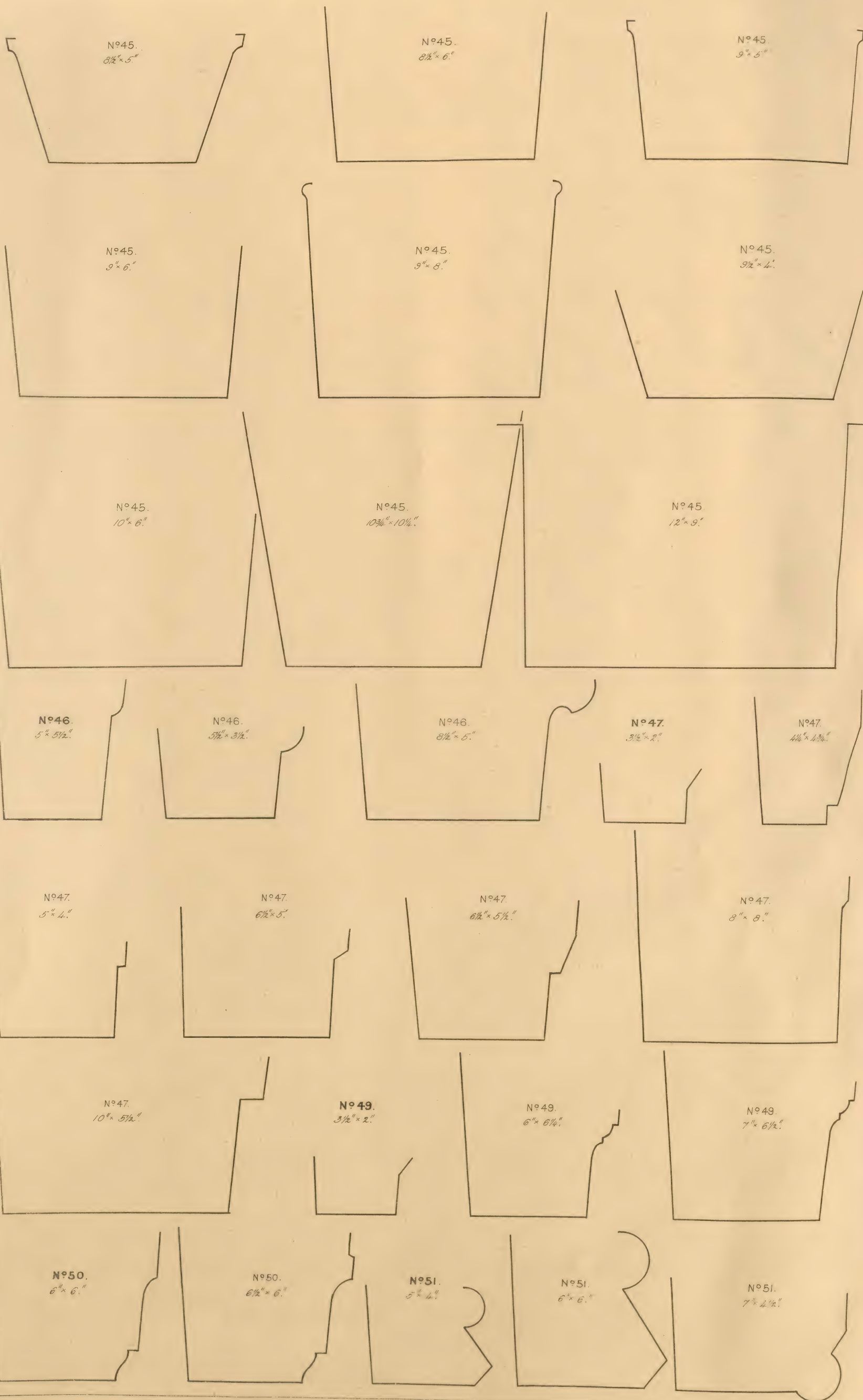
Nº45.
7" x 3 1/2"

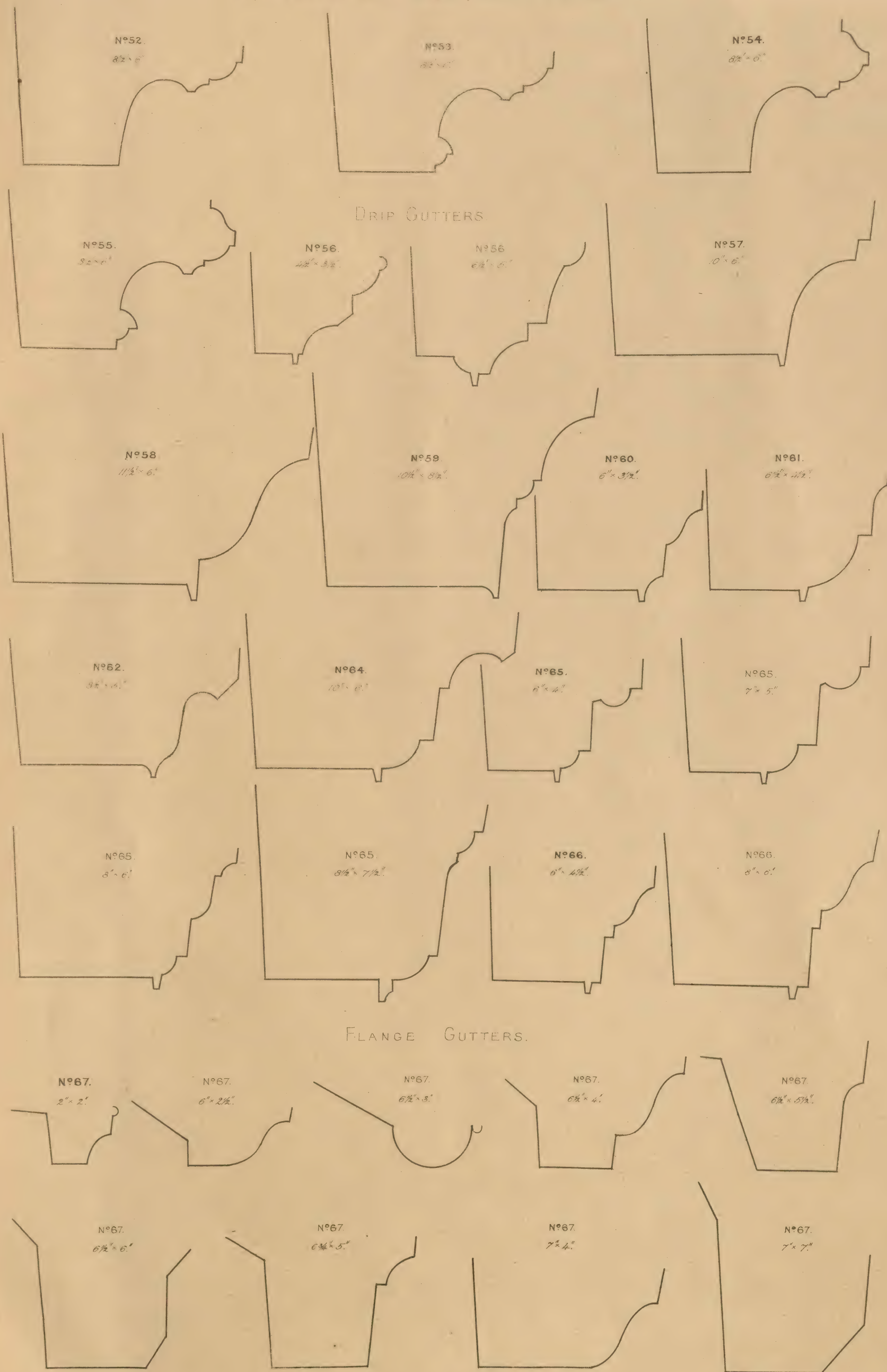
Nº45.
7 1/2" x 5"

Nº45.
7 1/2" x 7"

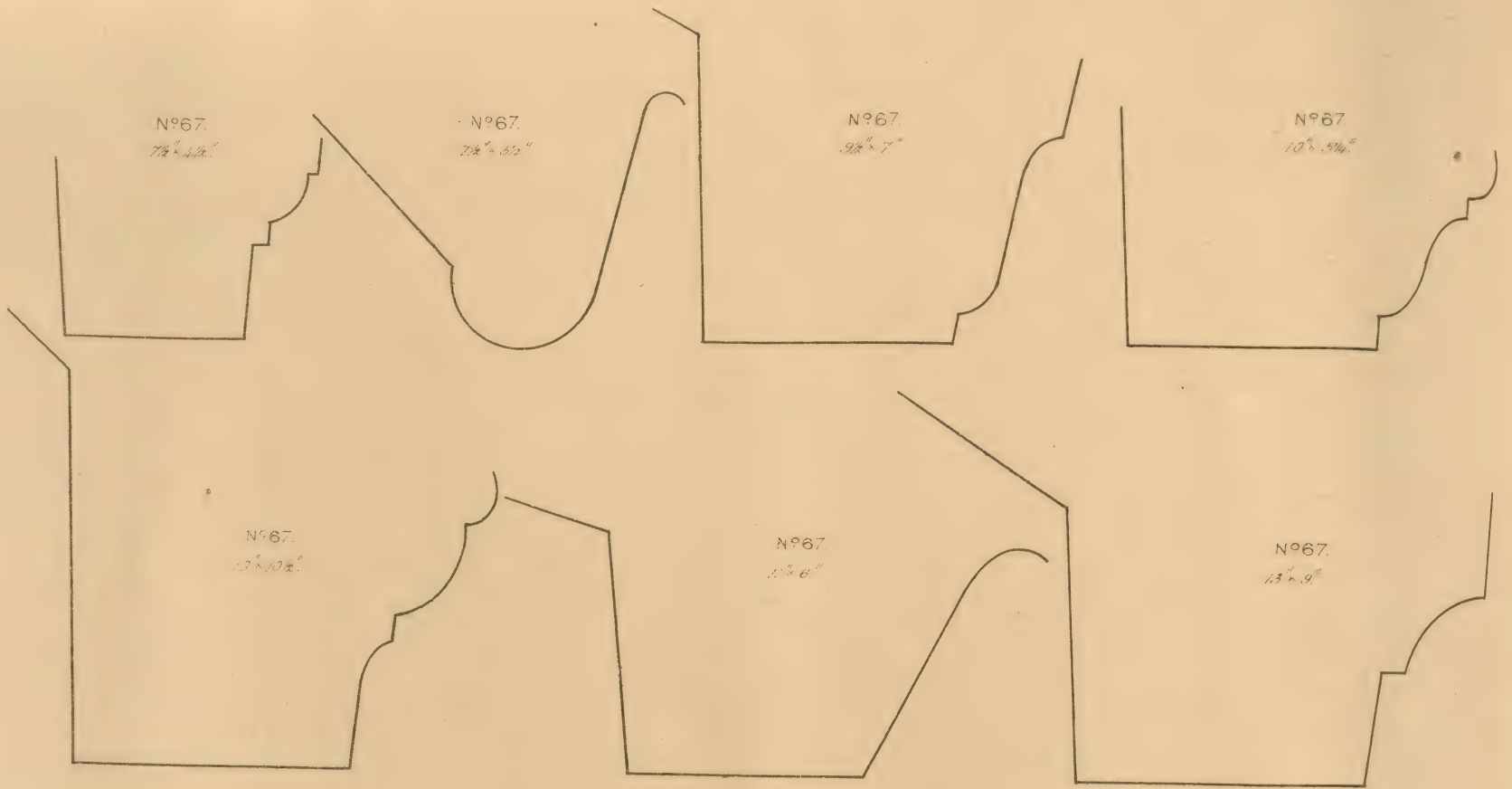
Nº45.
8" x 6"

RAIN WATER GUTTER SECTIONS, $\frac{1}{4}$ SIZE, (CONT^D)

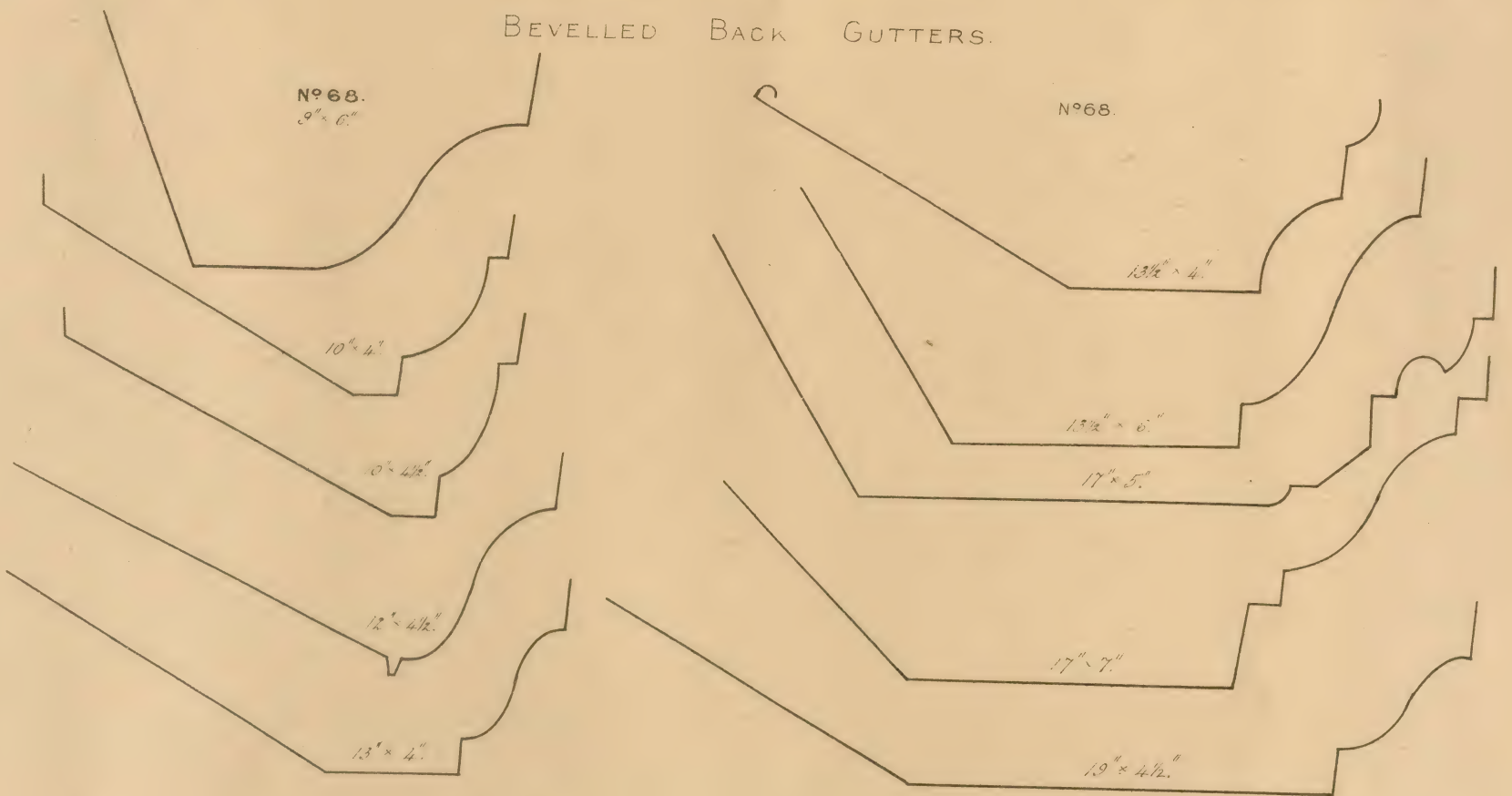


RAIN WATER GUTTER SECTIONS, $\frac{1}{4}$ SIZE, (CONT'D)

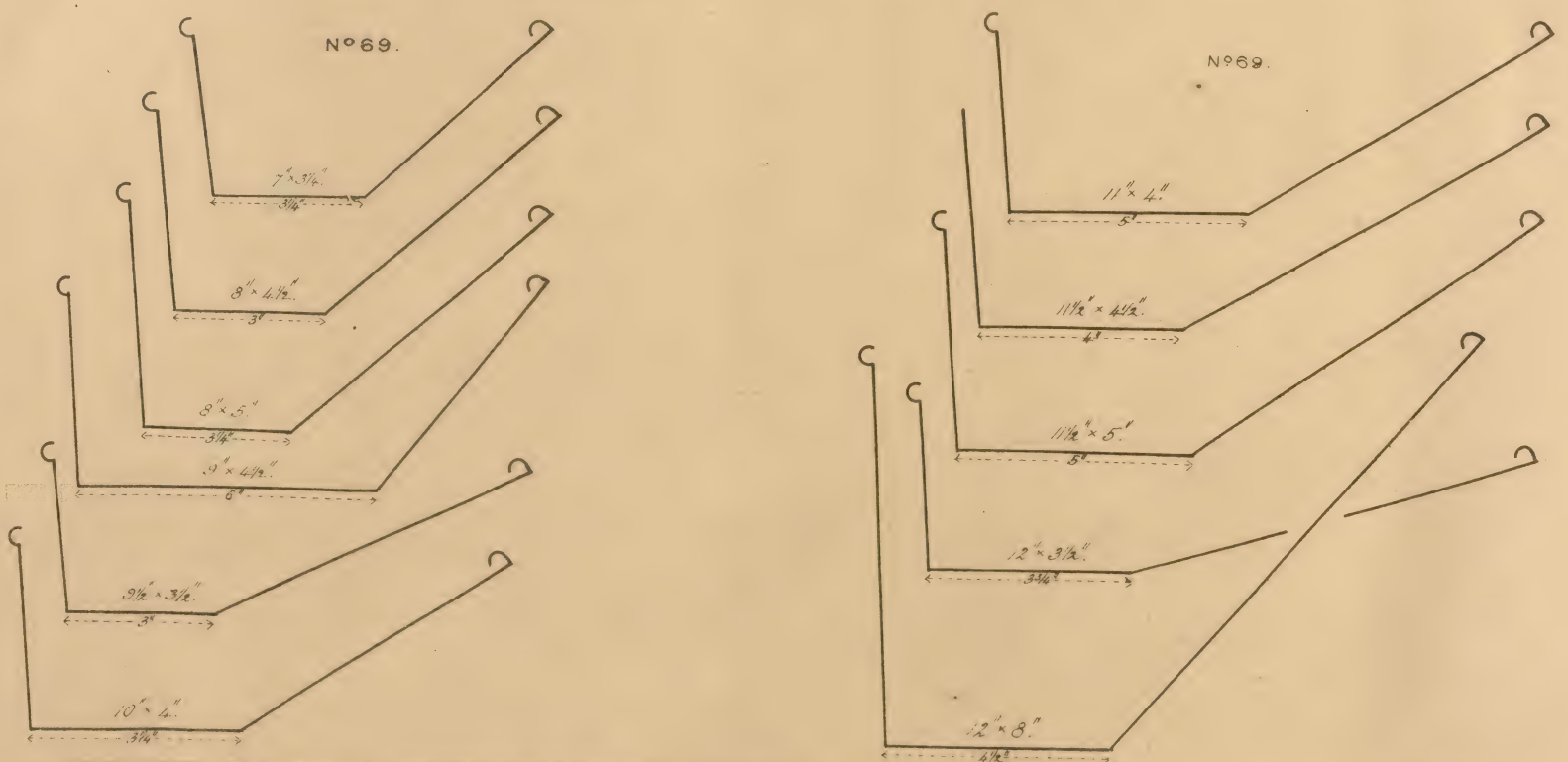
FLANGE GUTTERS (CONTINUED.)



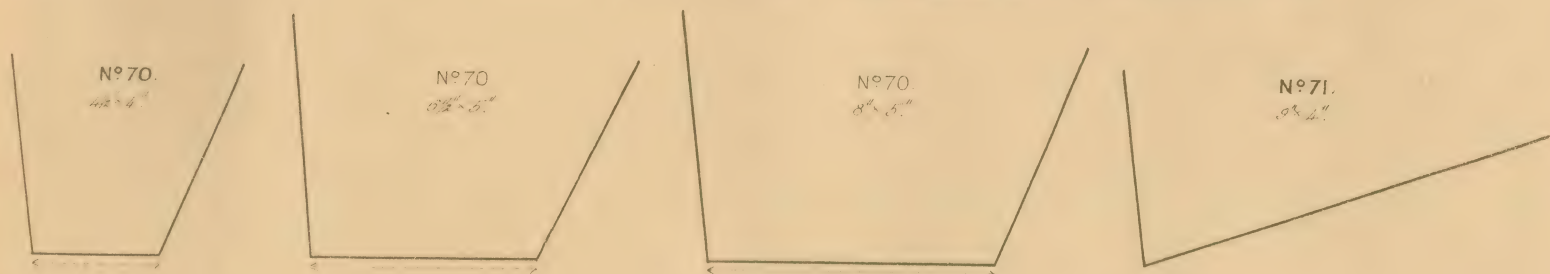
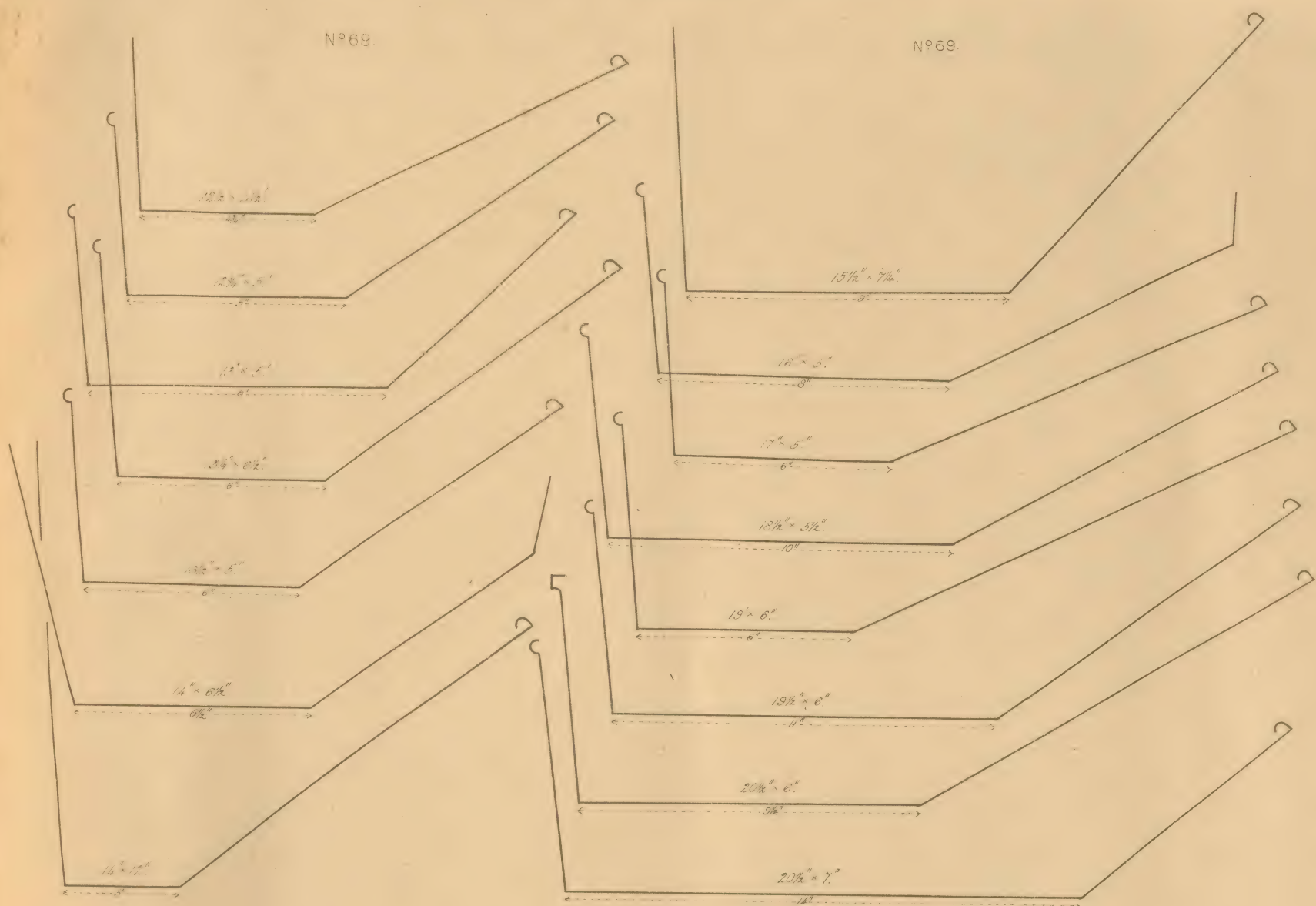
BEVELLED BACK GUTTERS.



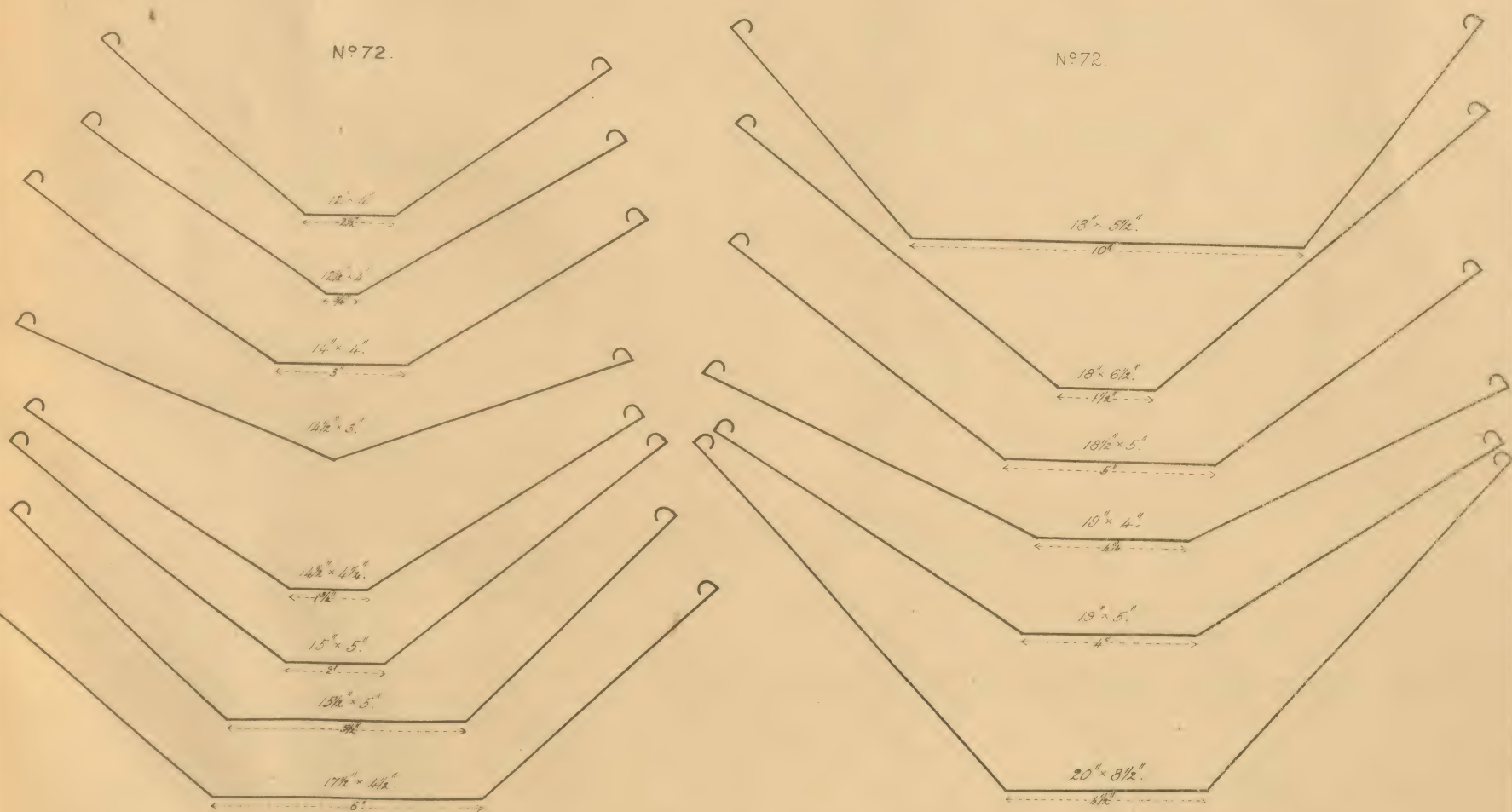
BOUNDARY WALL GUTTERS.



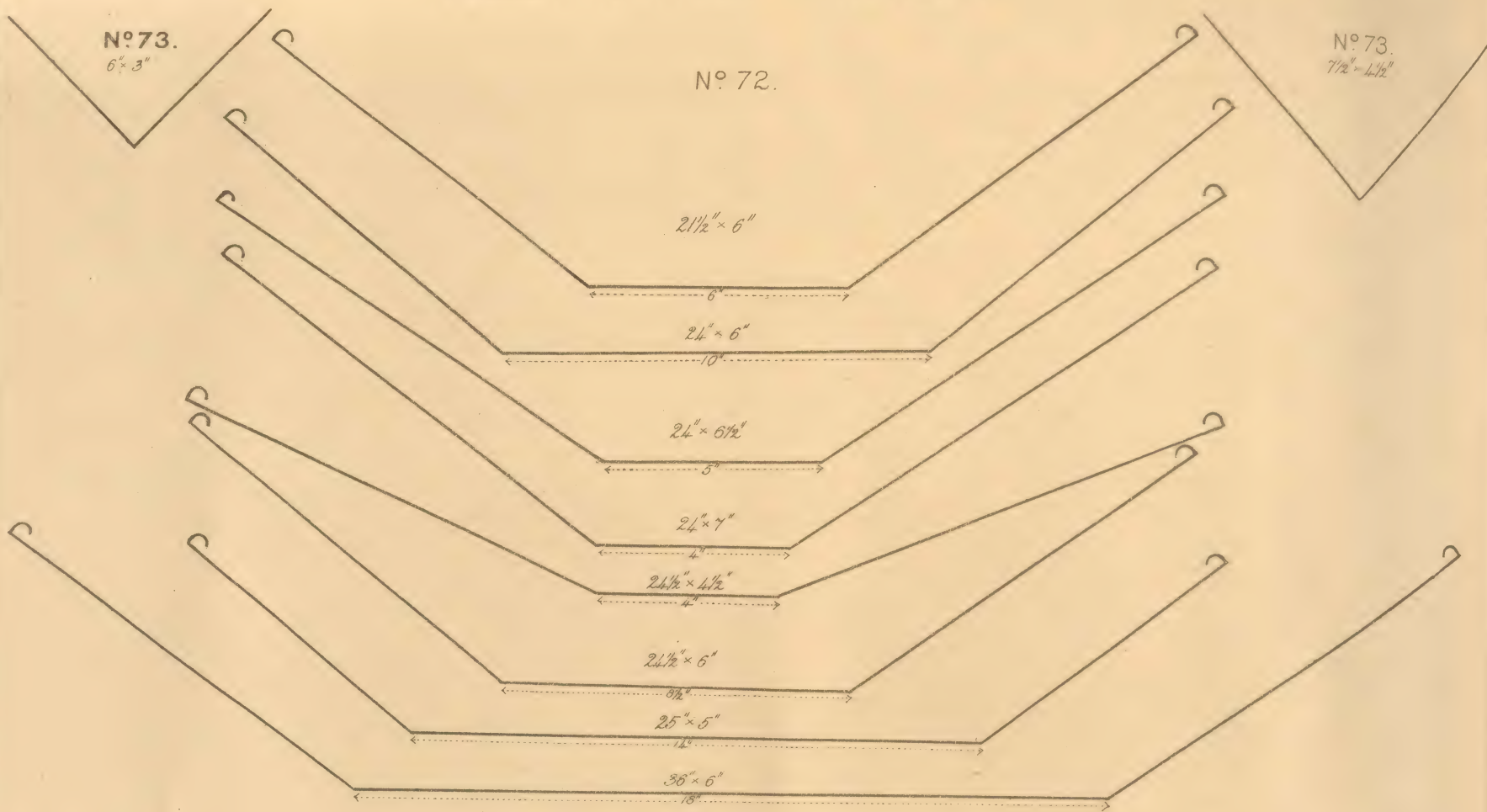
BOUNDARY WALL GUTTERS (CONTINUED.)



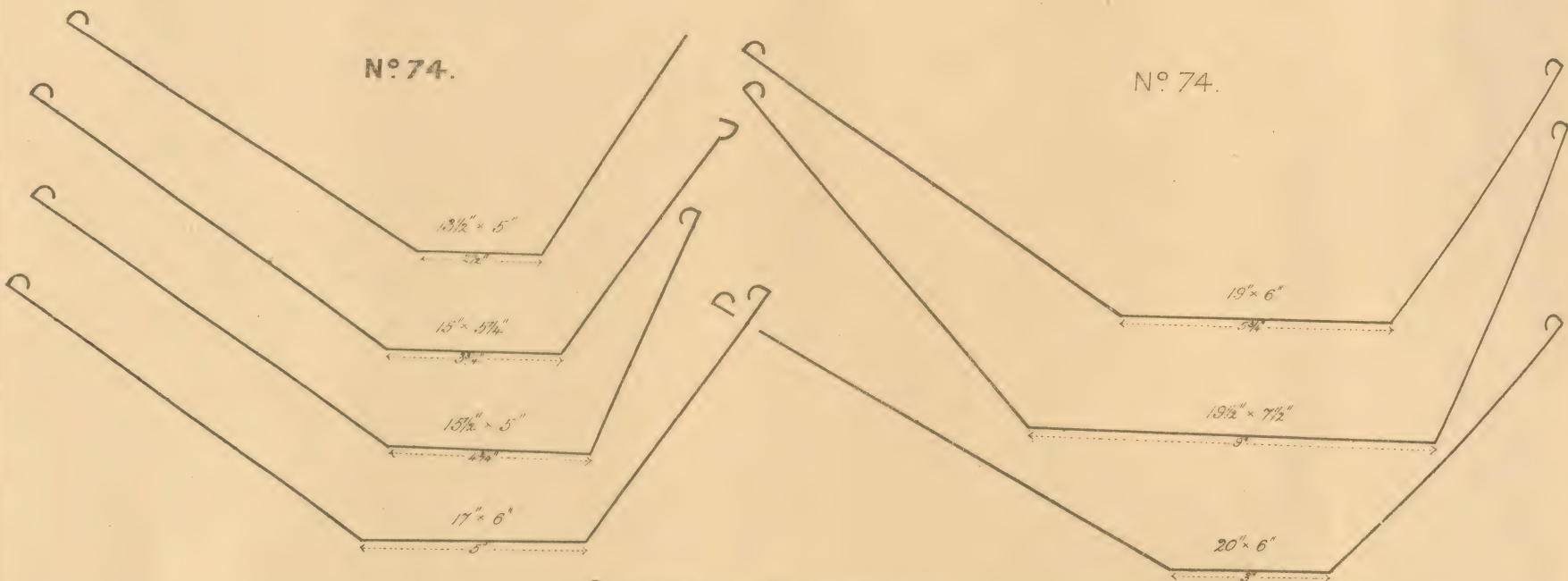
VALLEY GUTTERS.



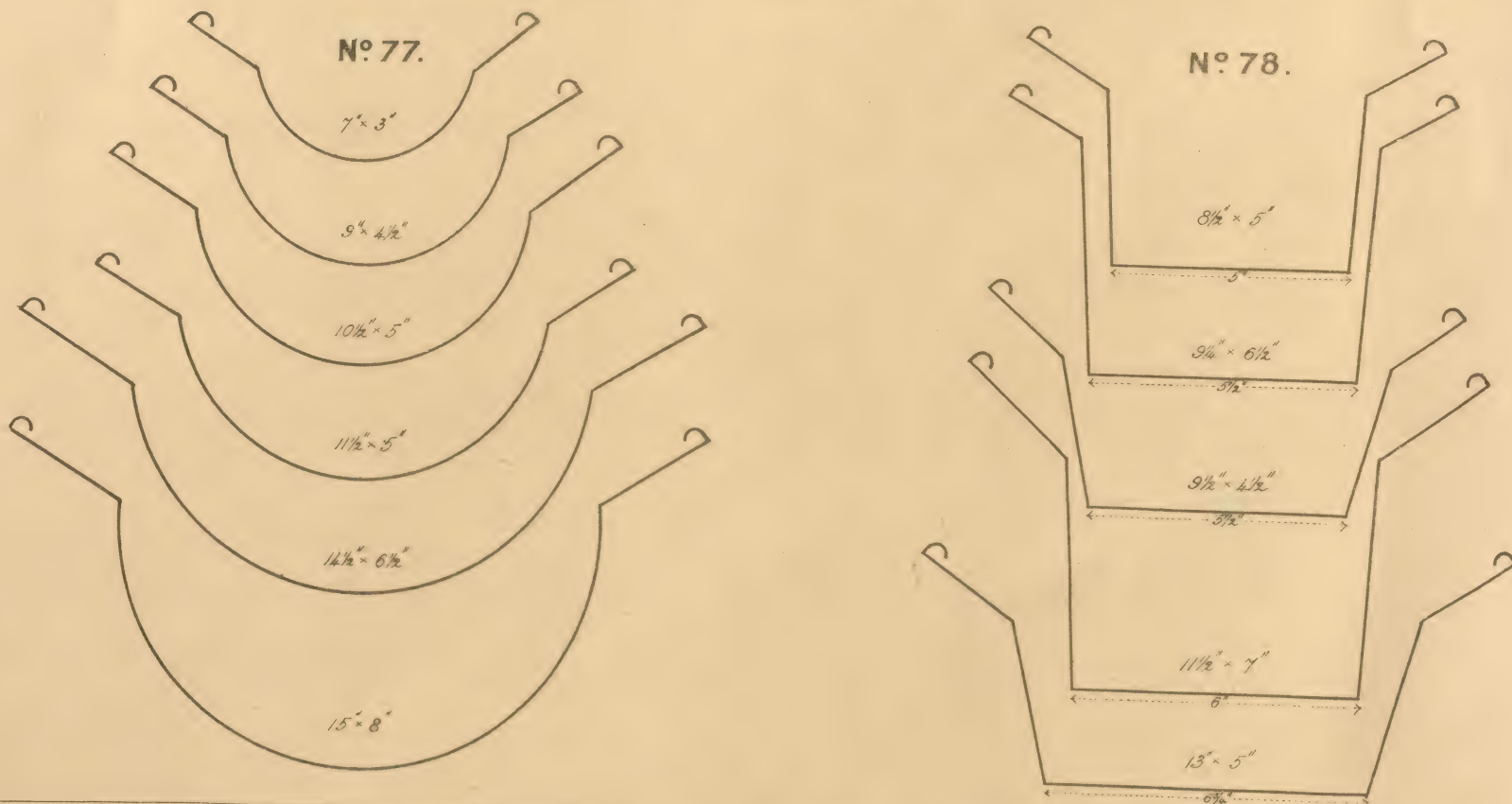
VALLEY GUTTERS, (CONTINUED)



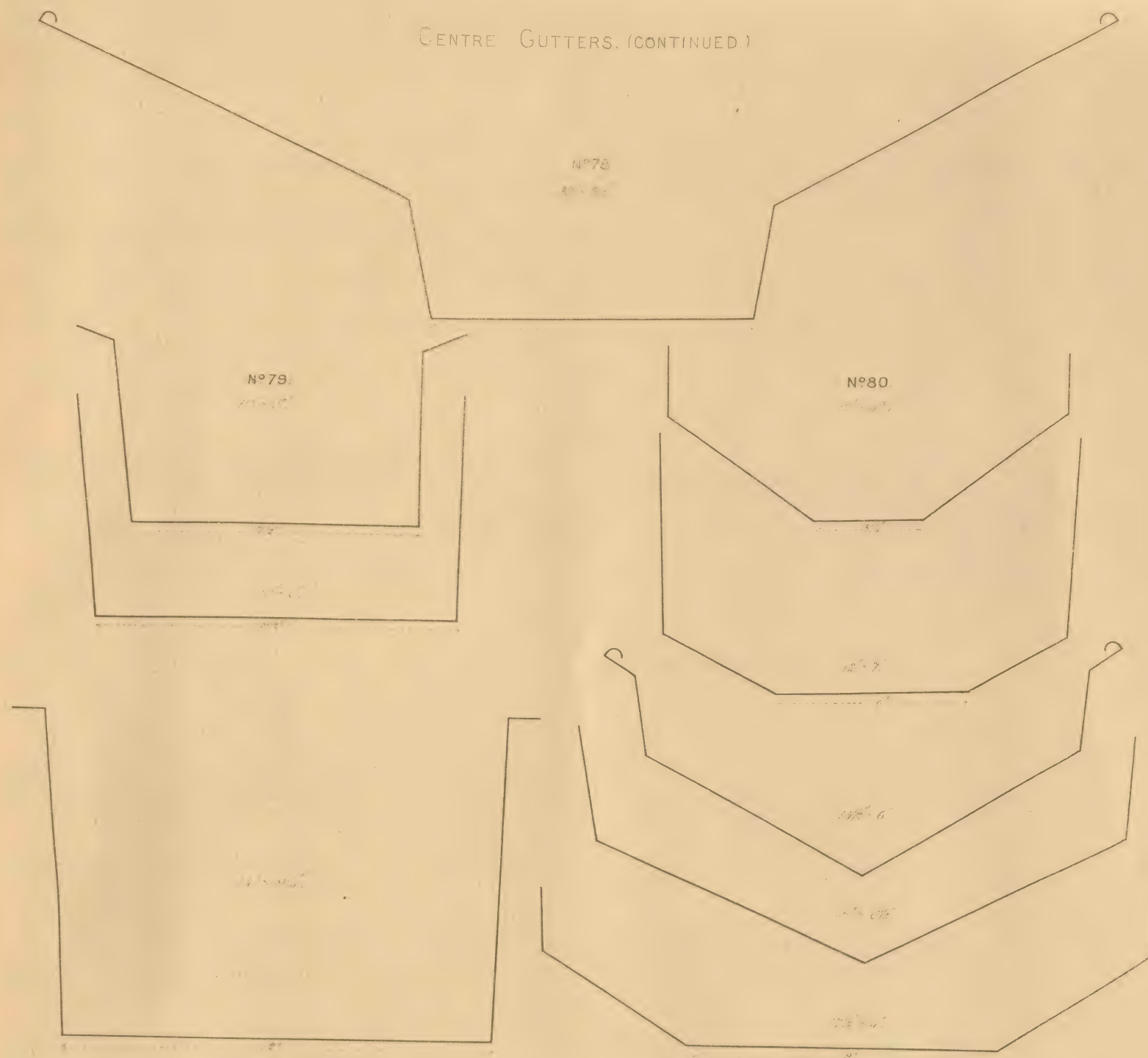
SHED GUTTERS.



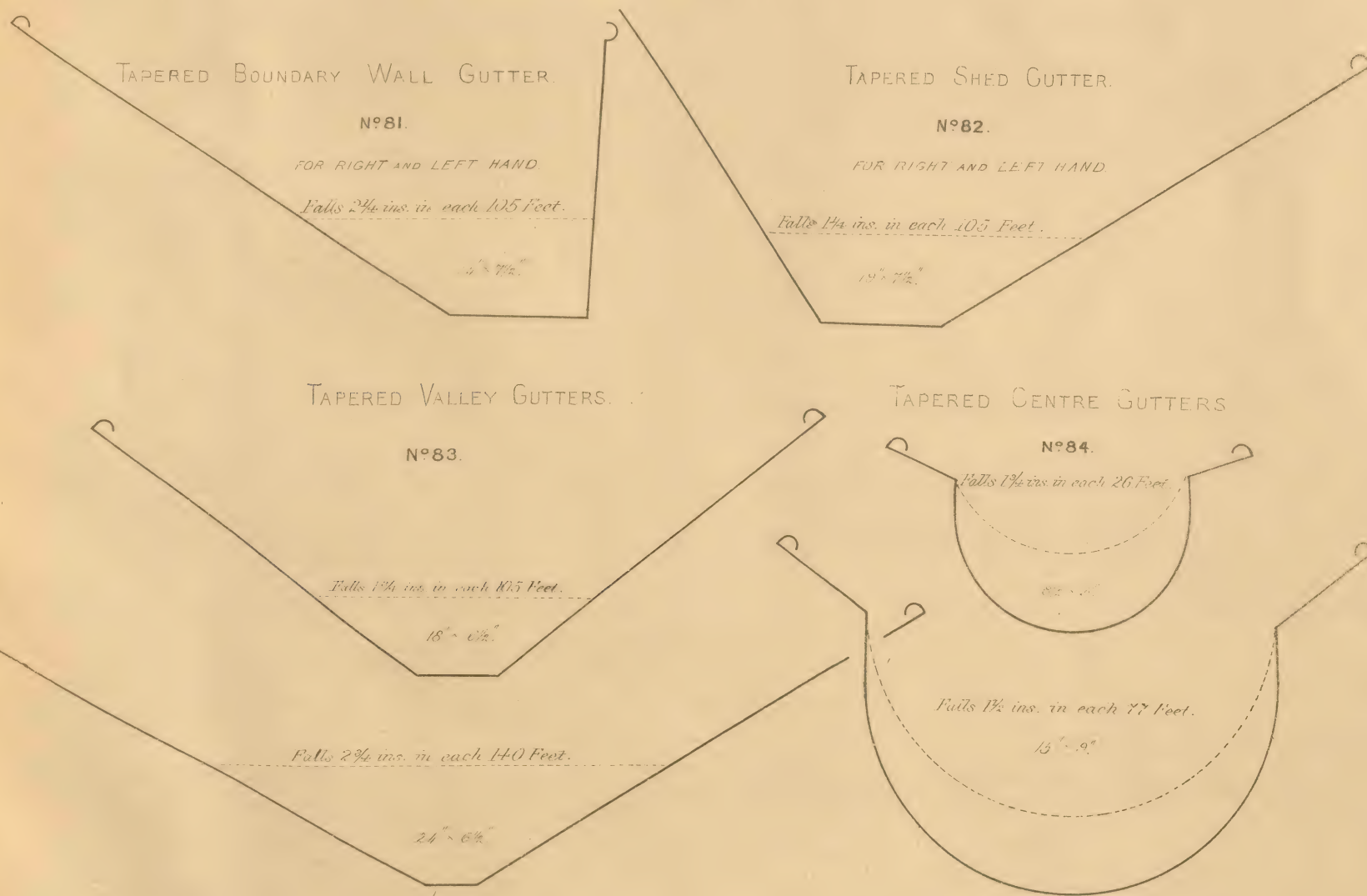
CENTRE GUTTERS.



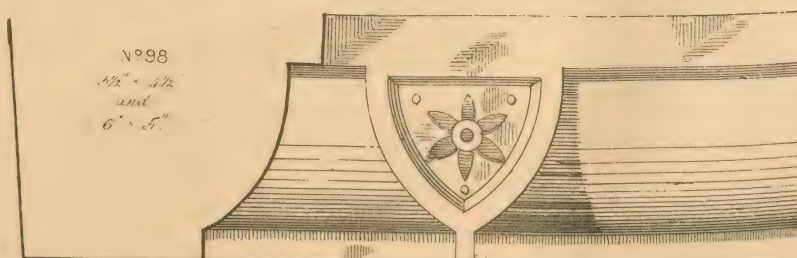
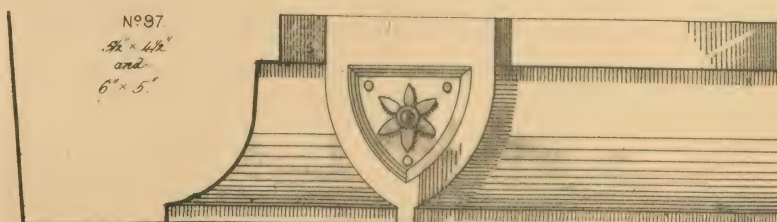
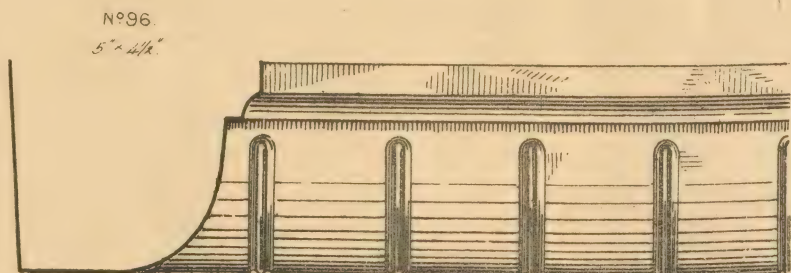
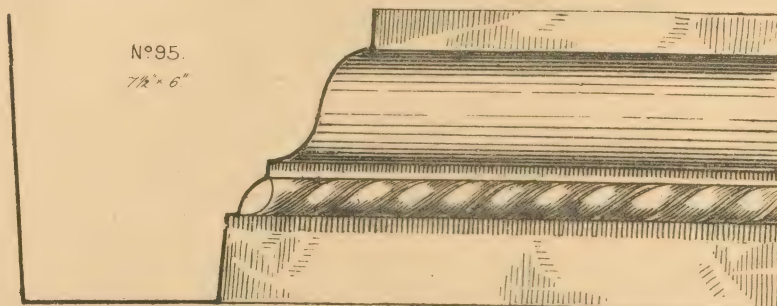
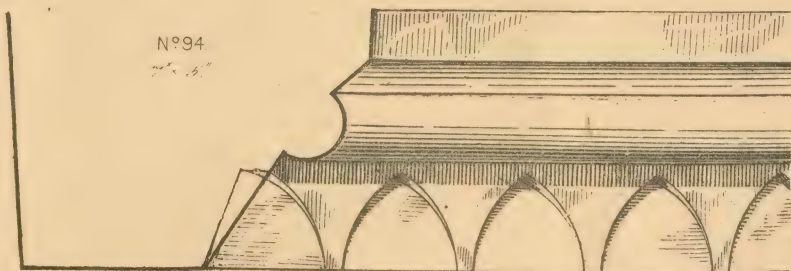
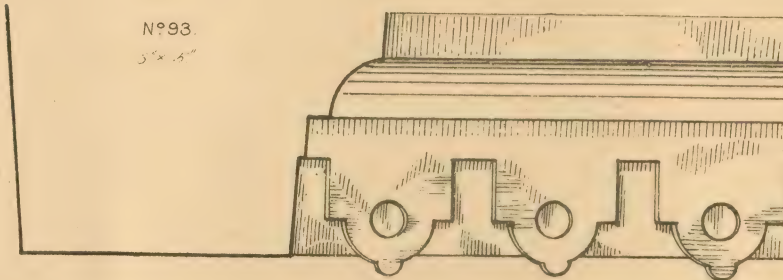
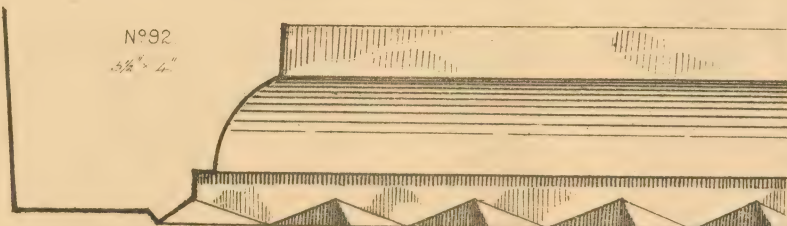
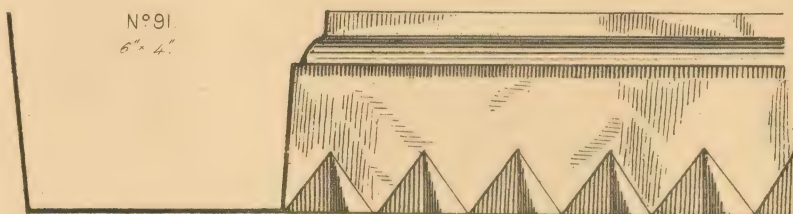
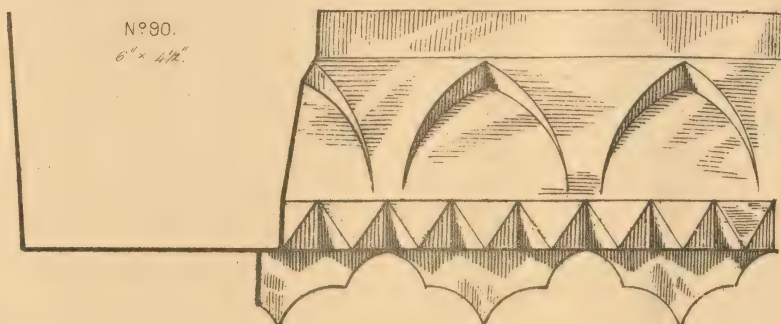
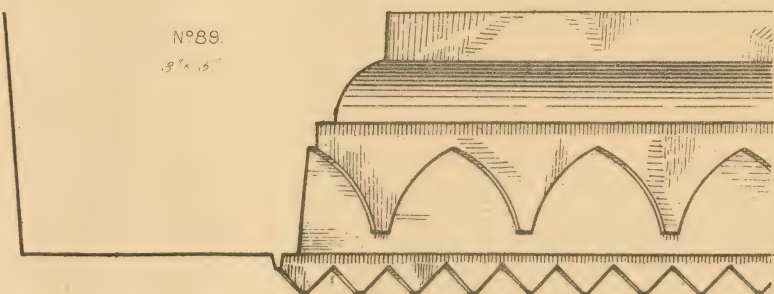
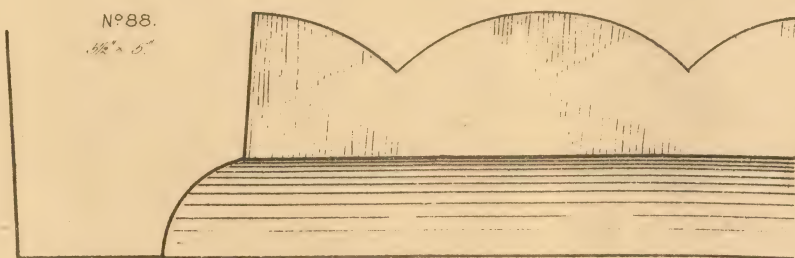
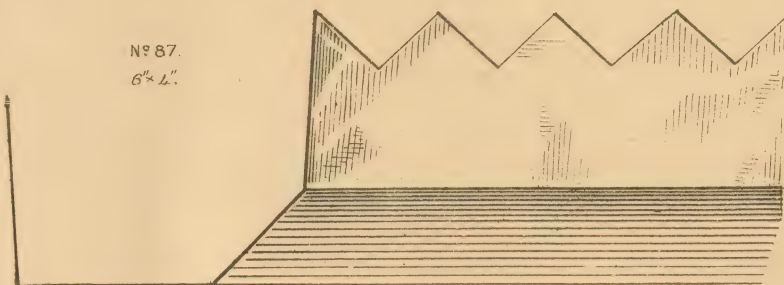
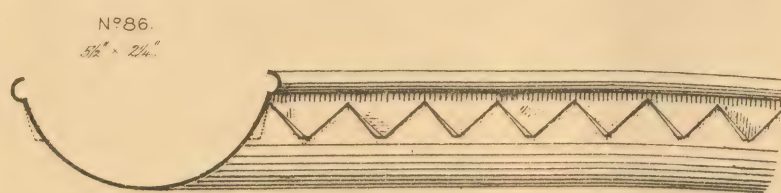
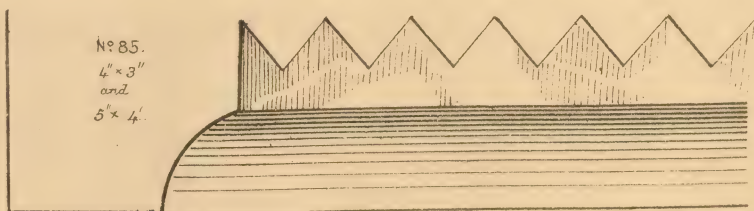
CENTRE GUTTERS. (CONTINUED.)



TAPERED GUTTERS.



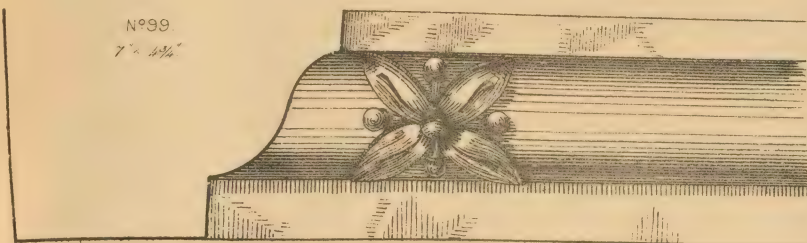
ORNAMENTAL FIGURED GUTTERS.



ORNAMENTAL FIGURED GUTTERS, (CONTINUED)

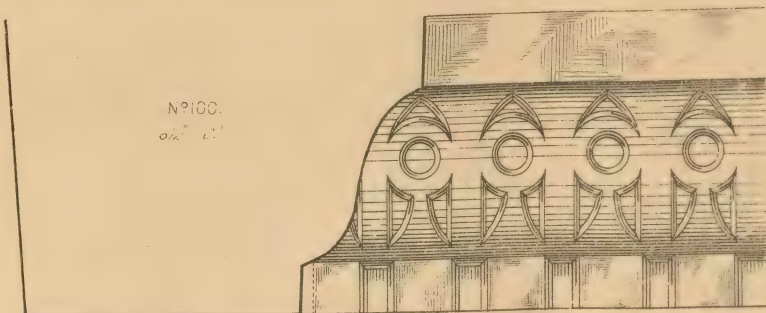
N^o99

7" x 4 1/2"



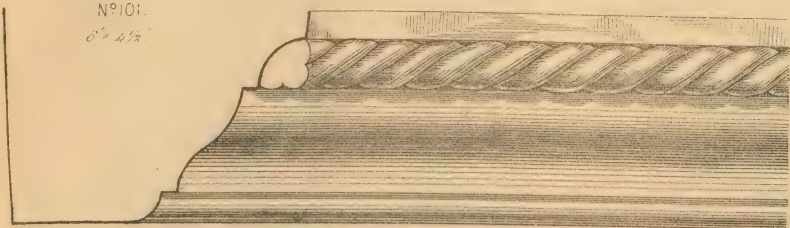
N°100.

6 1/2" x 5"



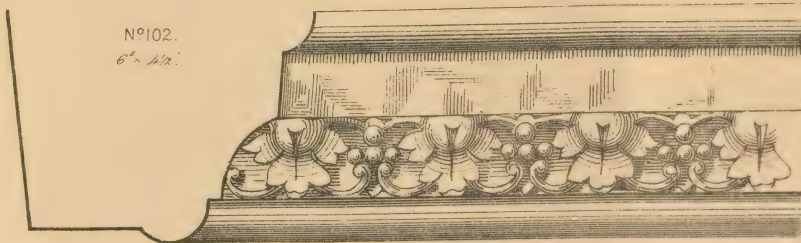
N°101.

6" x 4 1/2"

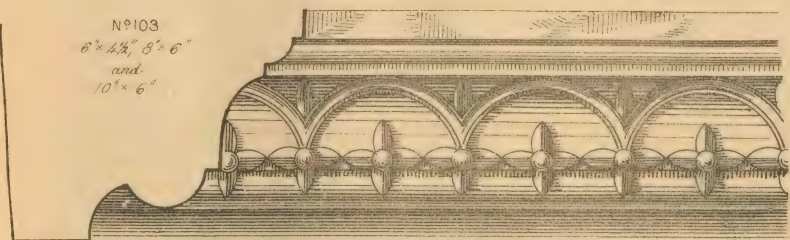


N°102.

6" x 4 1/2"

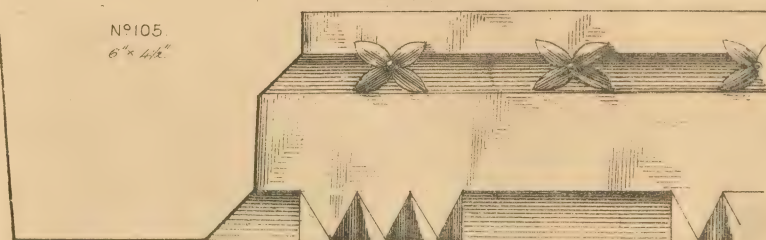


N°103

8" x 4 1/2", 8" x 6"
and
10" x 6"

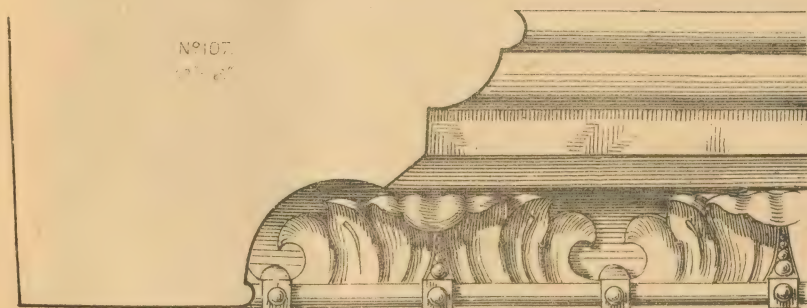
N°105

6" x 4 1/2"



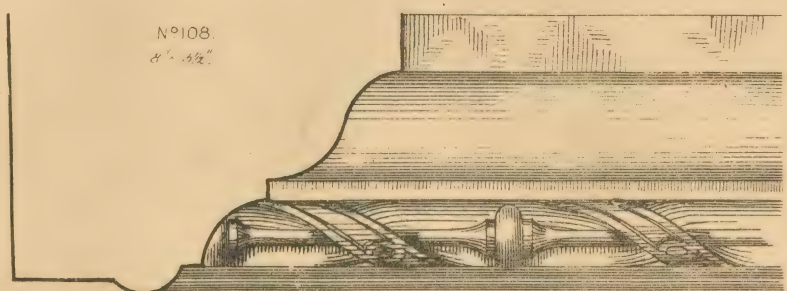
N°107.

6" x 4"



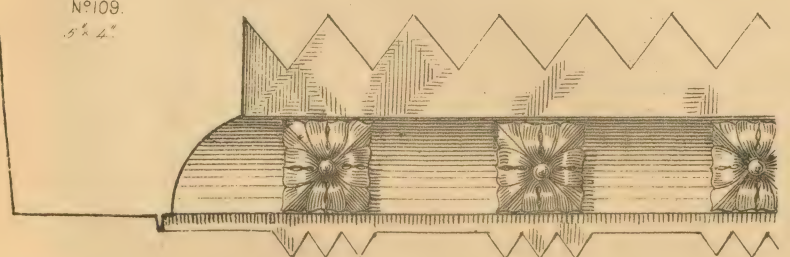
N°108.

6" x 4 1/2"



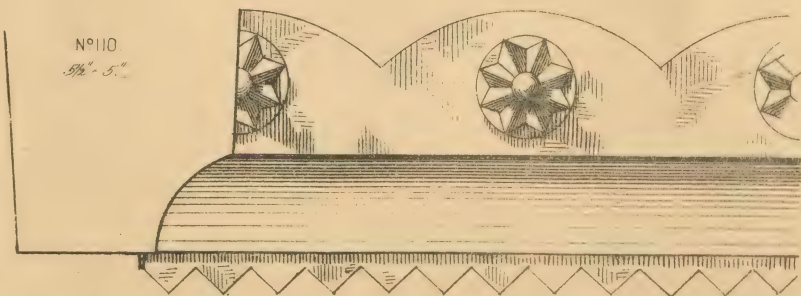
N°109.

5 1/2" x 4"



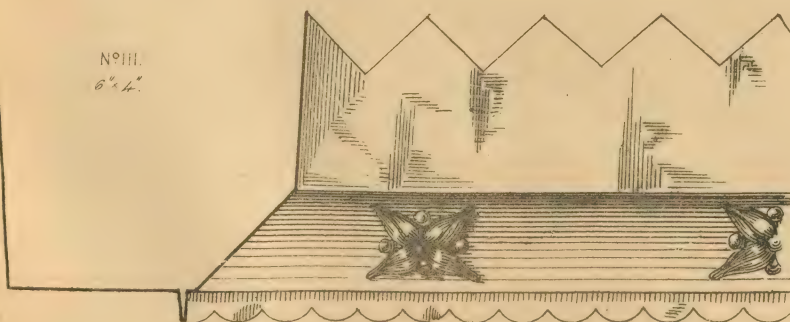
N°110

5 1/2" x 5"



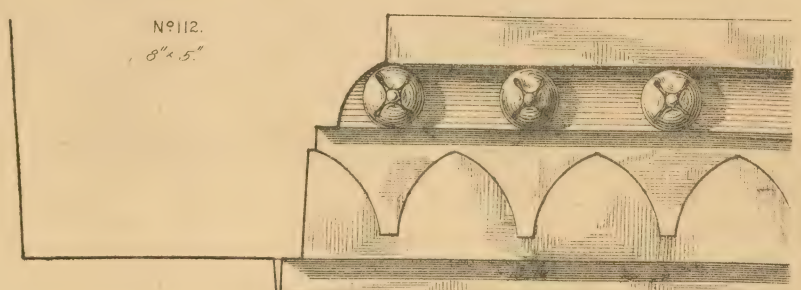
N°111.

6" x 4"



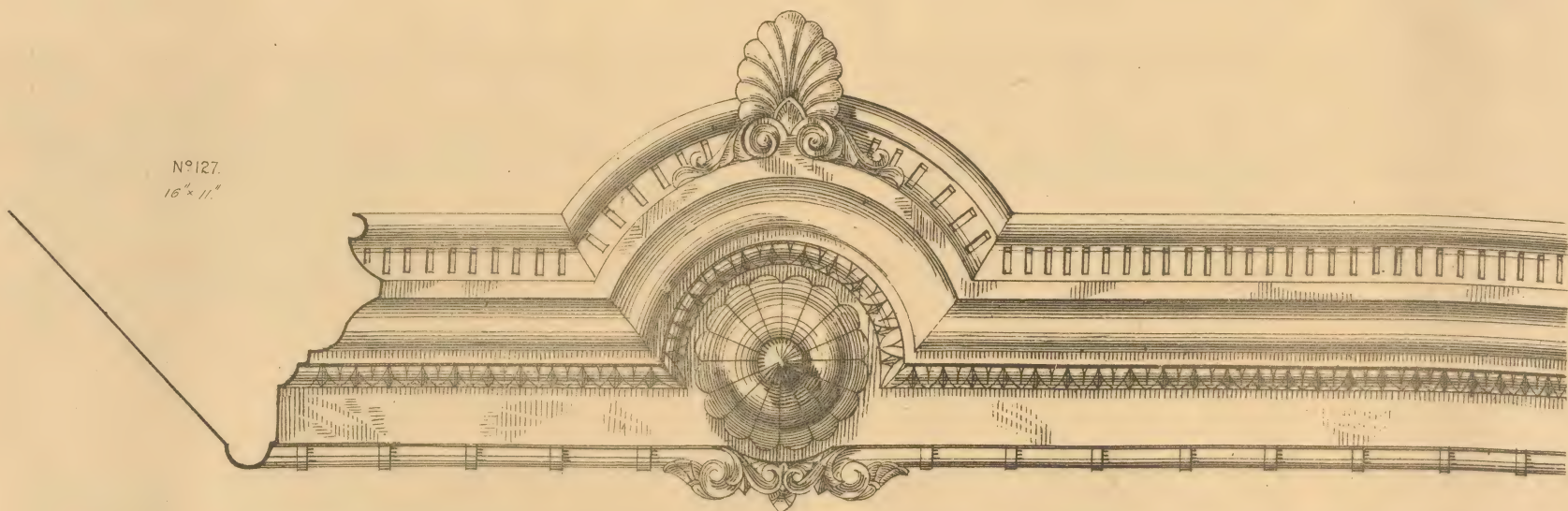
N°112.

8" x 5"

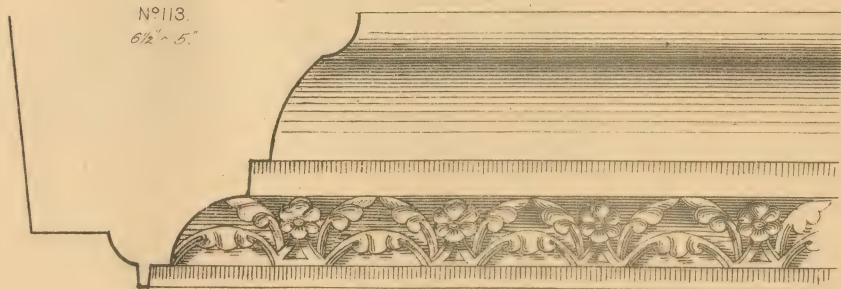


ORNAMENTAL FIGURED GUTTERS. (CONTINUED.)

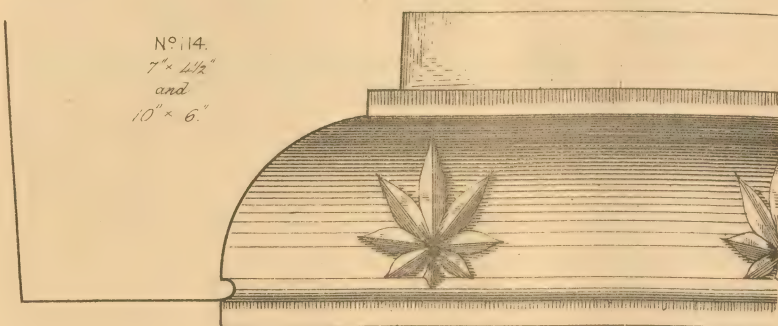
Nº127.
16" x 11"



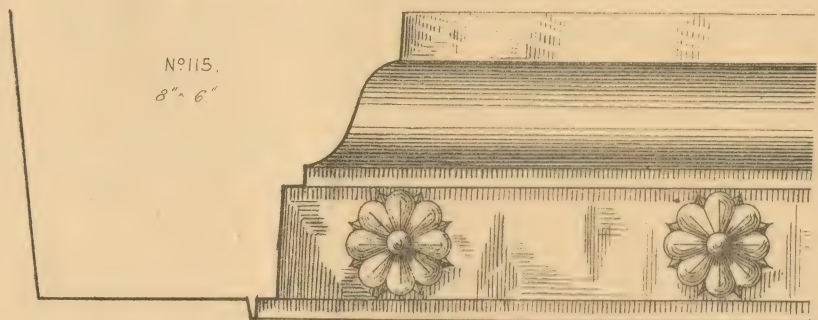
Nº113.
6 1/2" x 5"



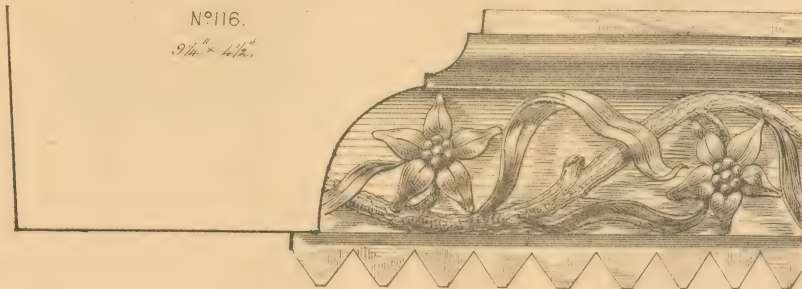
Nº114.
7" x 4 1/2"
and
10" x 6"



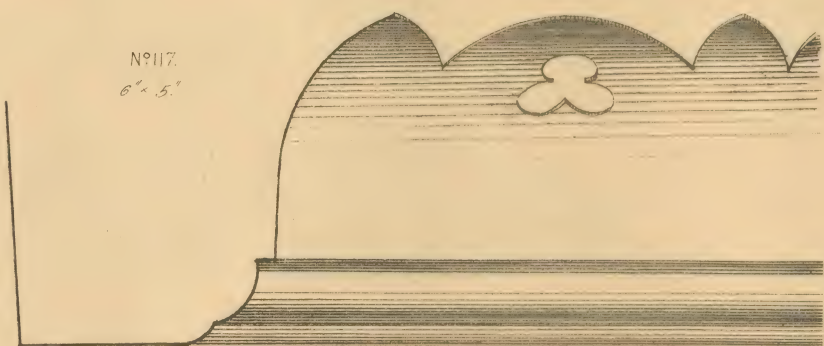
Nº115.
8" x 6"



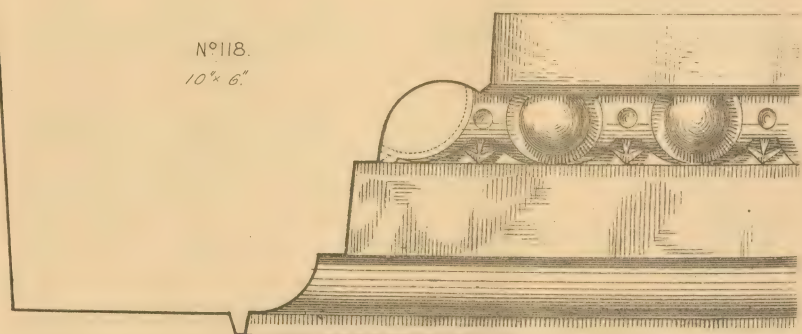
Nº116.
9 1/4" x 4 1/2"



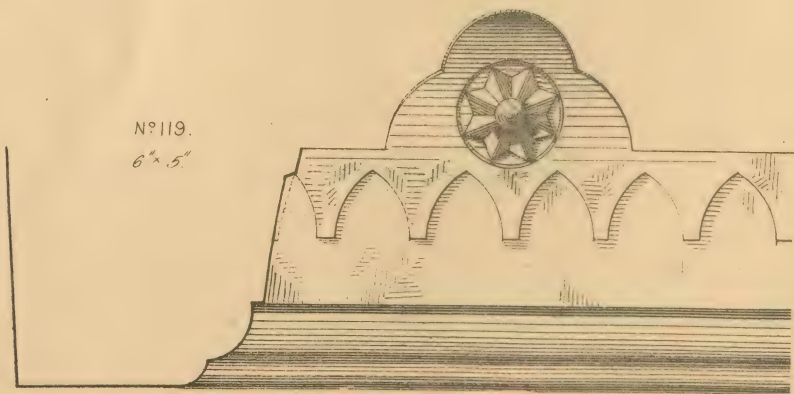
Nº117.
6" x 5"



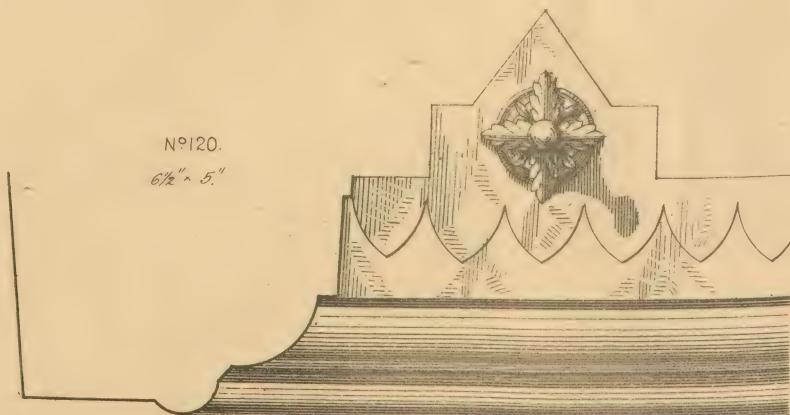
Nº118.
10" x 6"



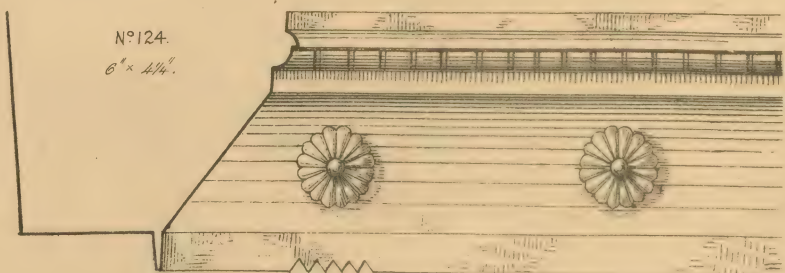
Nº119.
6" x 5"



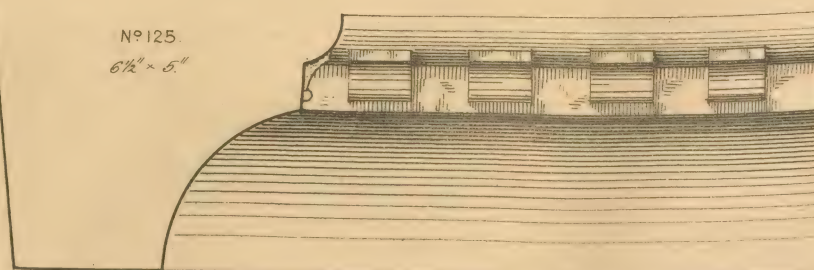
Nº120.
6 1/2" x 5"



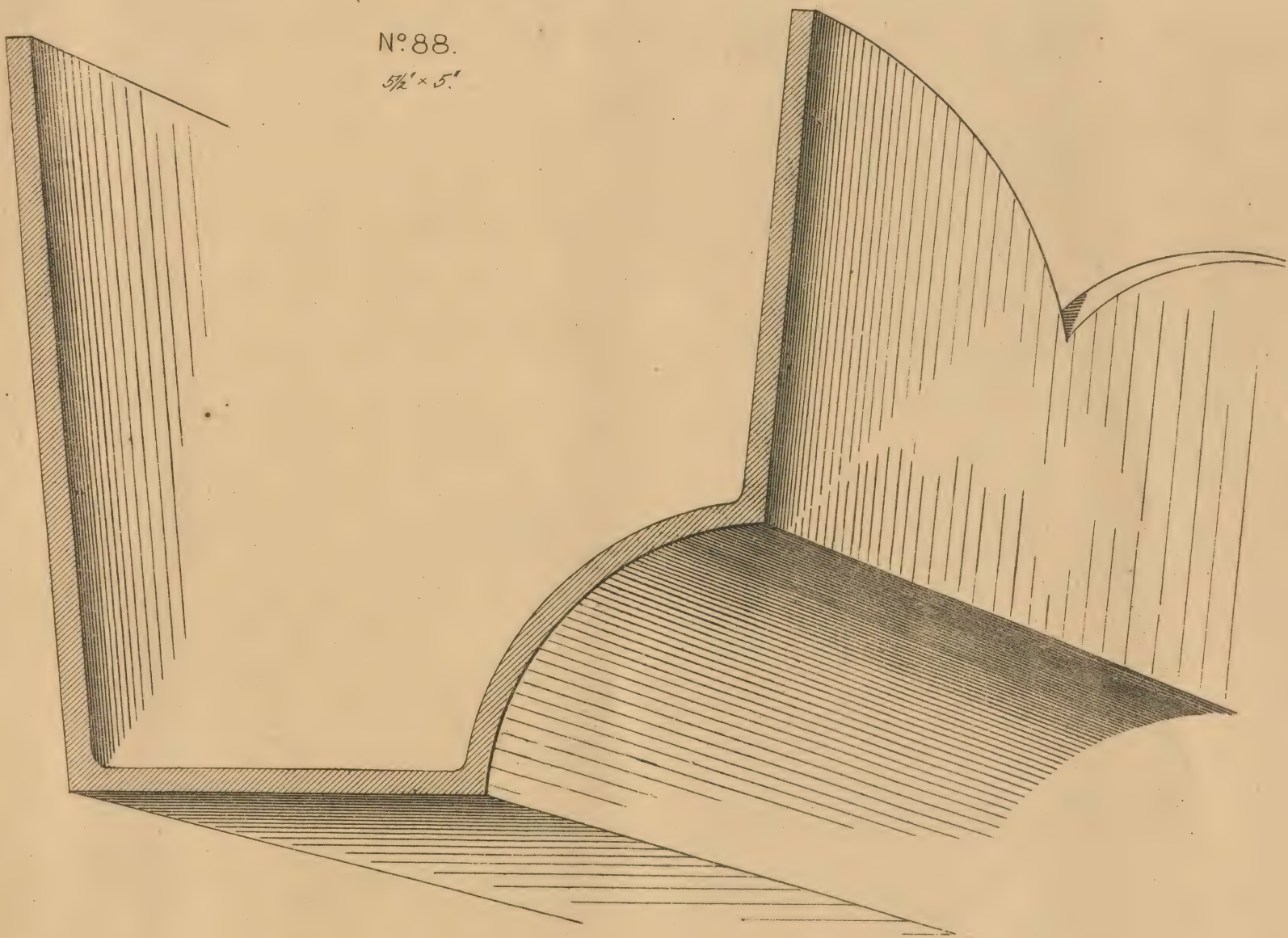
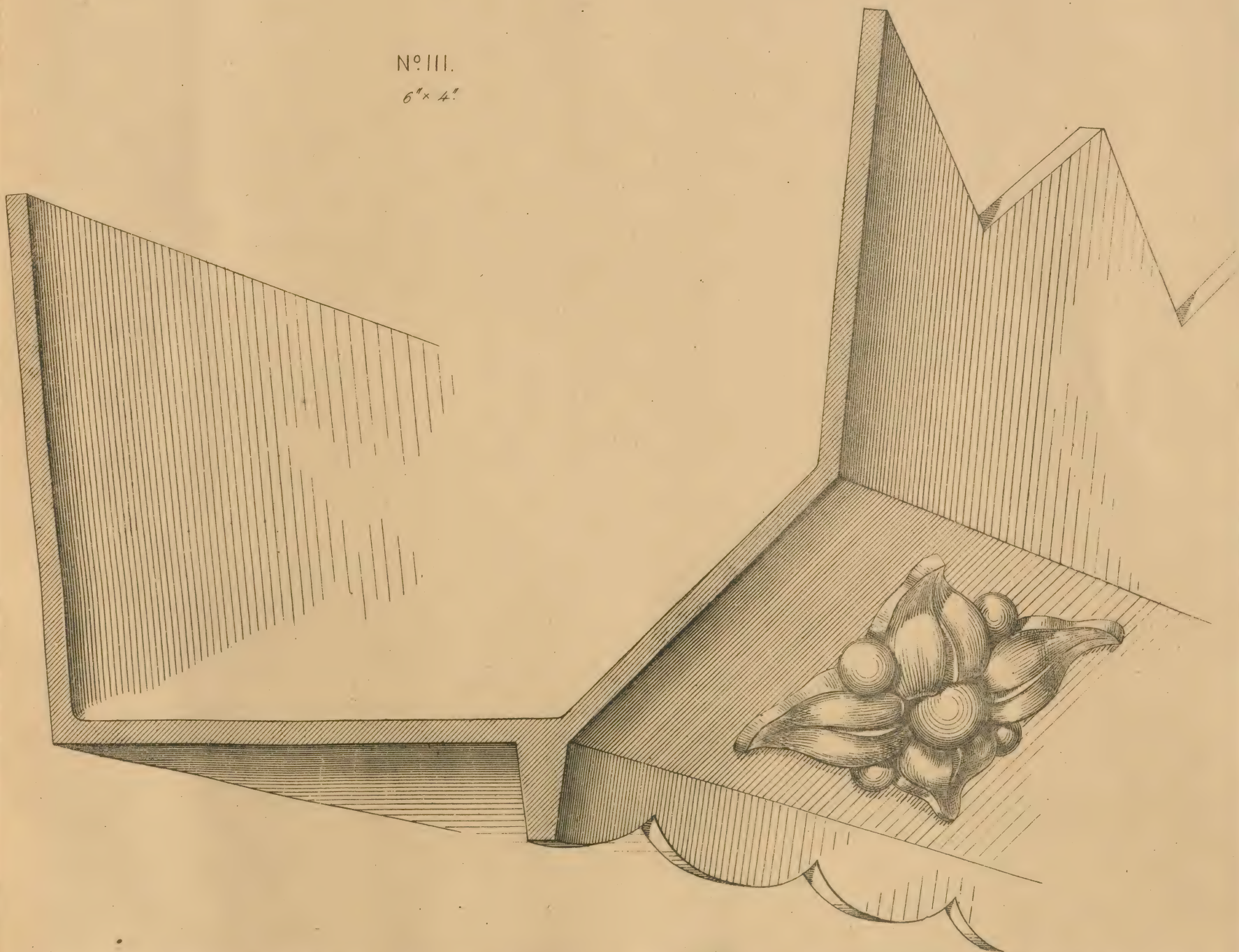
Nº124.
6" x 4 1/4"



Nº125.
6 1/2" x 5"



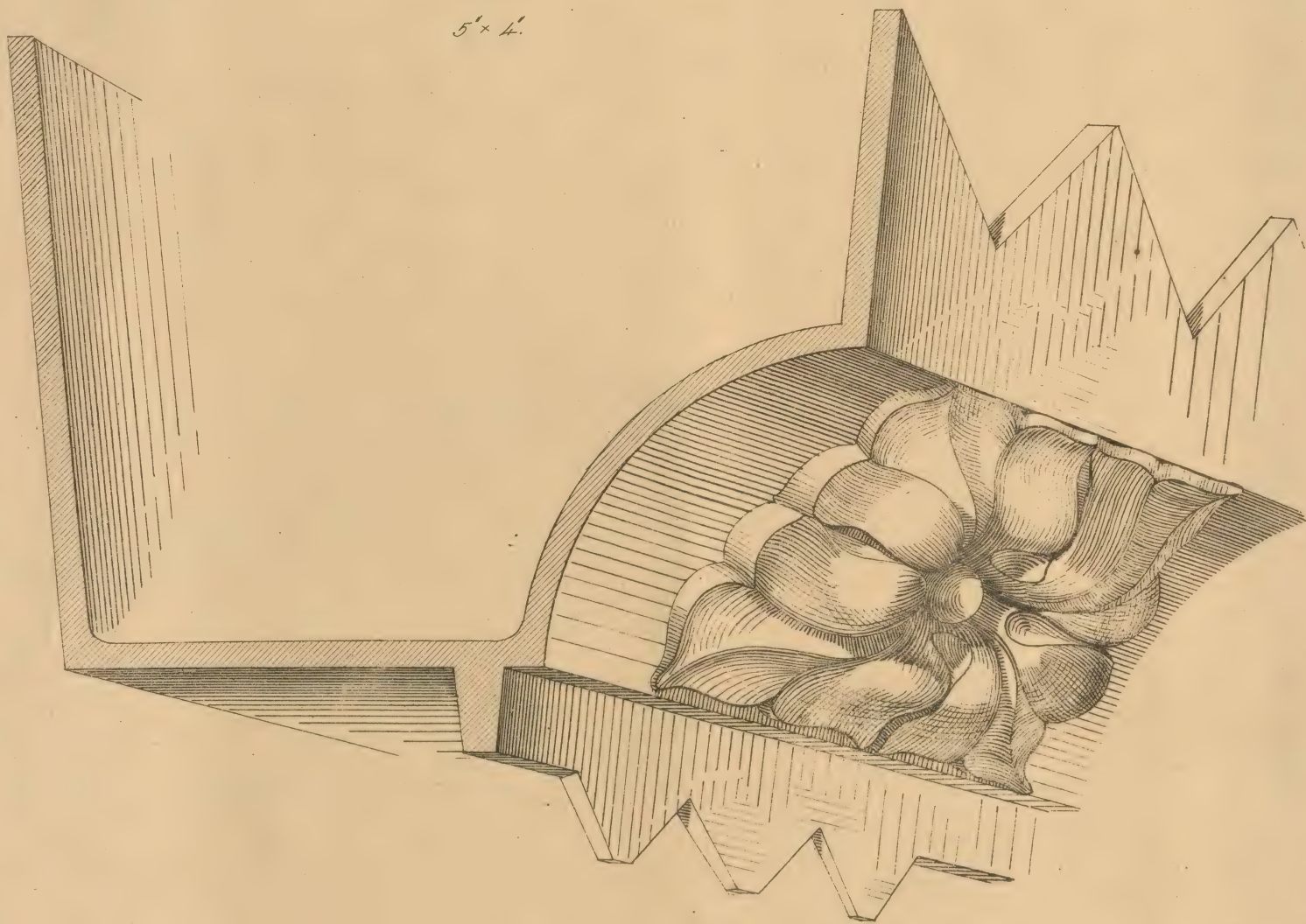
ORNAMENTAL FIGURED GUTTERS.—FULL SIZE, (CONTINUED)

N^o 88. $5\frac{1}{2} \times 5$ N^o III. 6×4 

ORNAMENTAL FIGURED GUTTERS.—FULL SIZE, (CONTINUED)

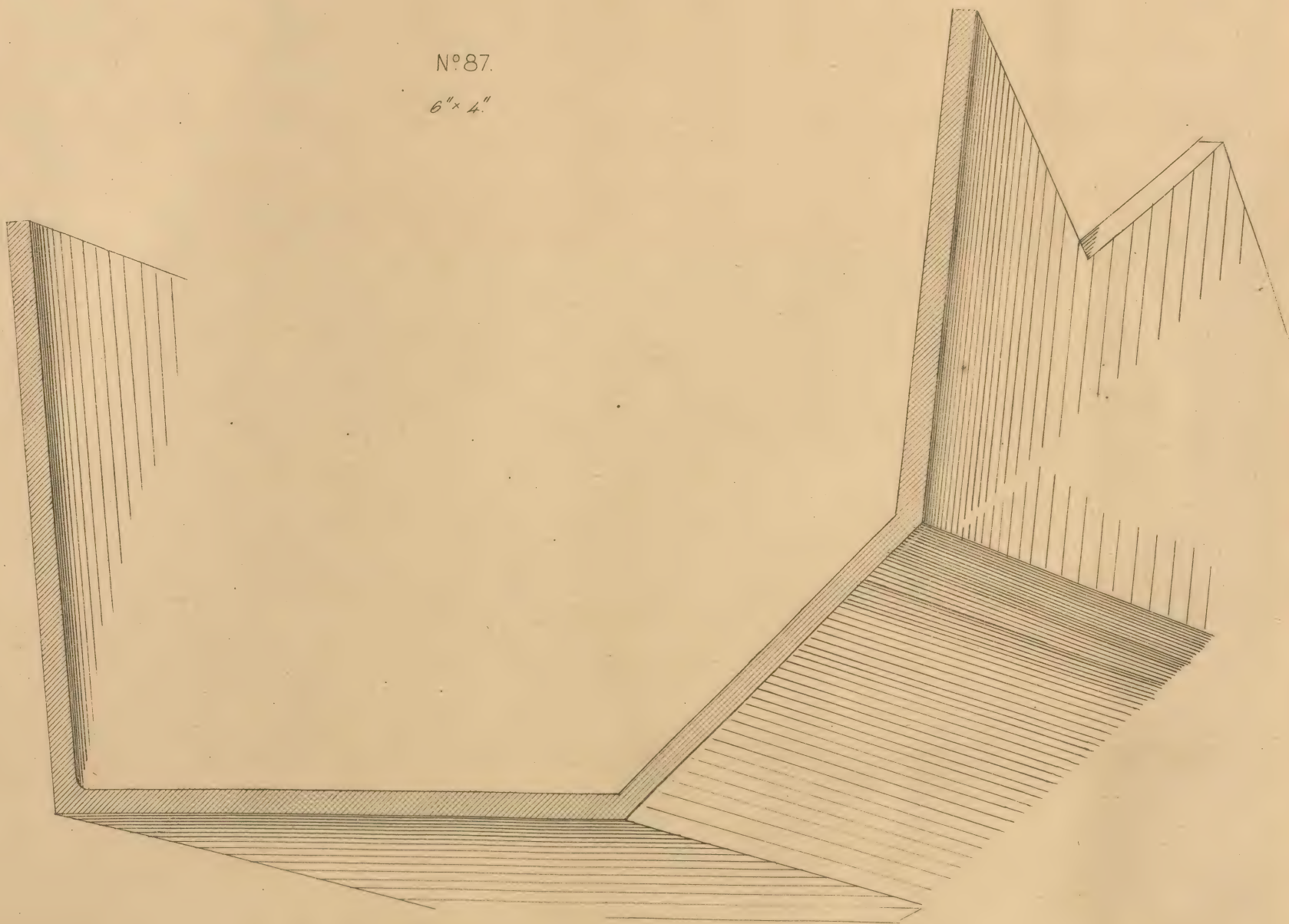
Nº109.

5' x 4'



Nº87.

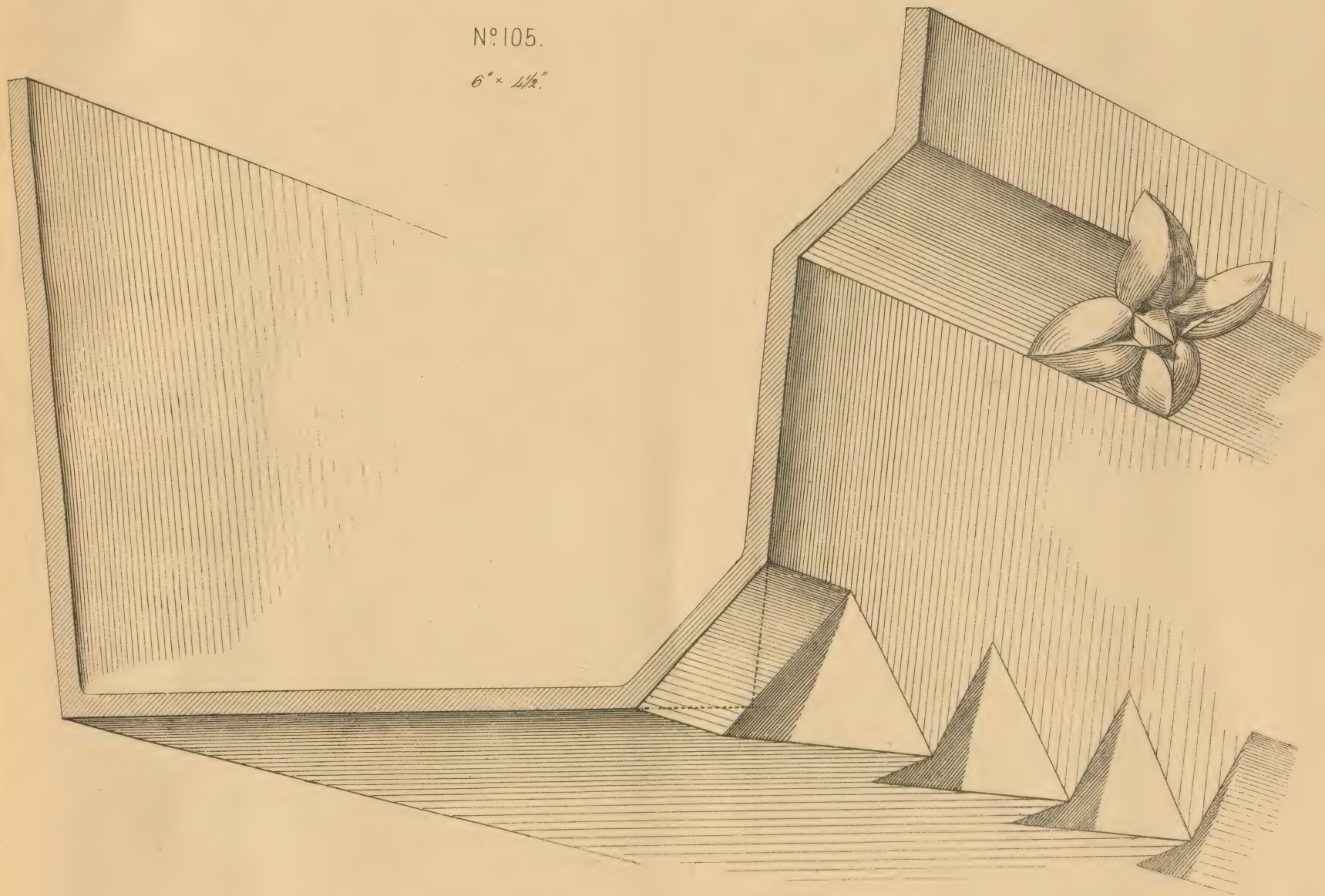
6" x 4"



ORNAMENTAL FIGURED GUTTERS.—FULL SIZE, (CONTINUED)

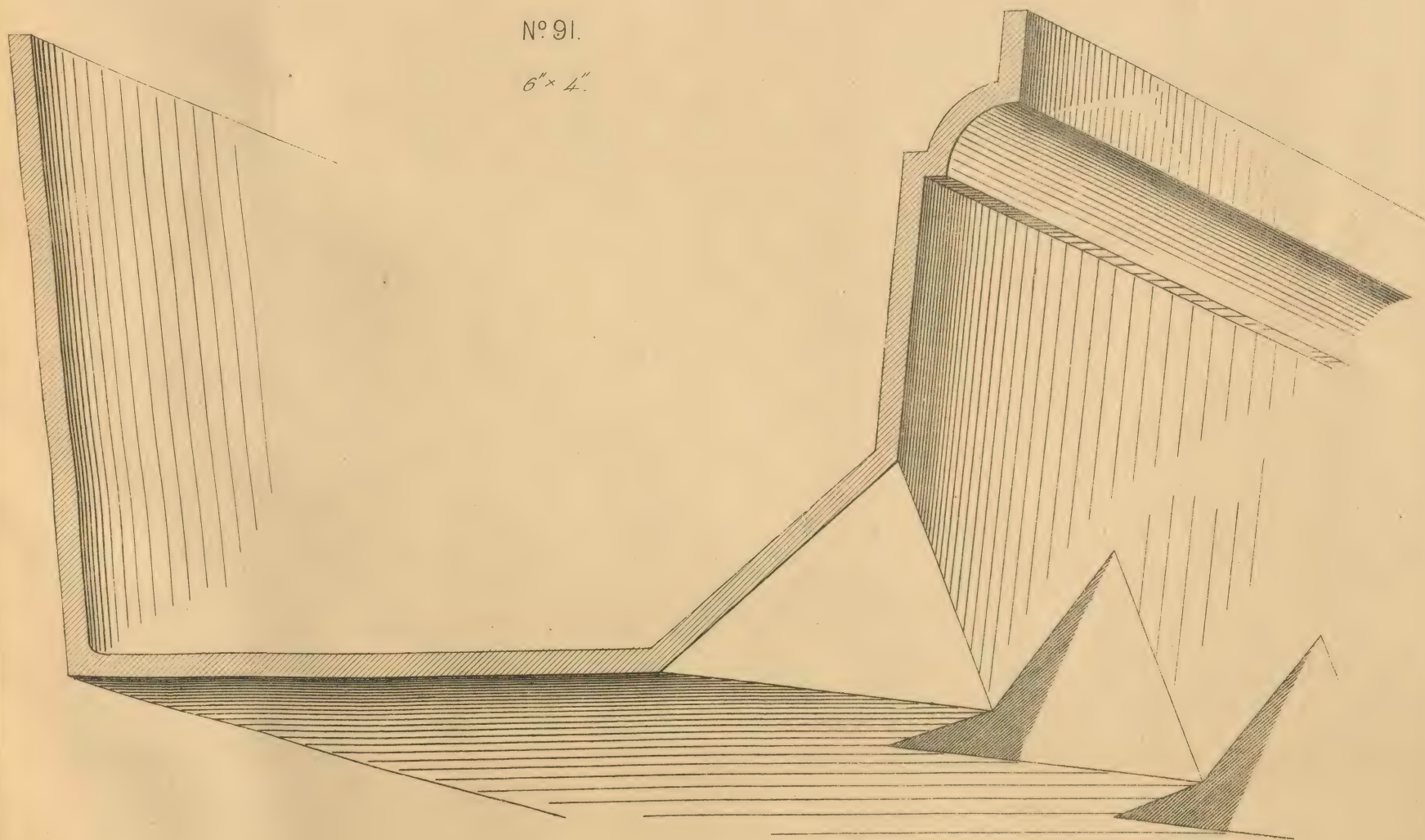
Nº 105.

6" x 4 1/2".



Nº 91.

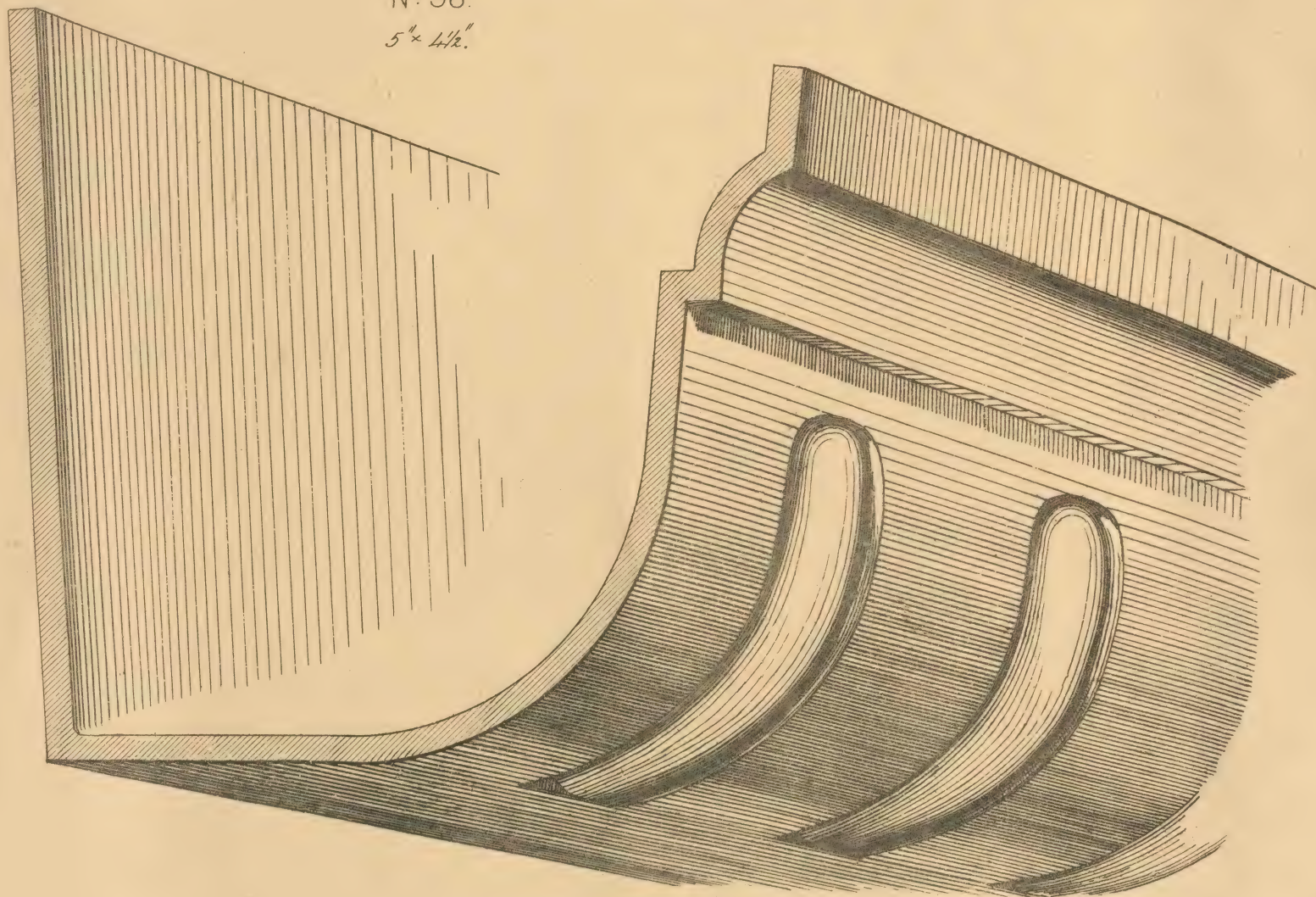
6" x 4".



ORNAMENTAL FIGURED GUTTERS.—FULL SIZE, (CONTINUED)

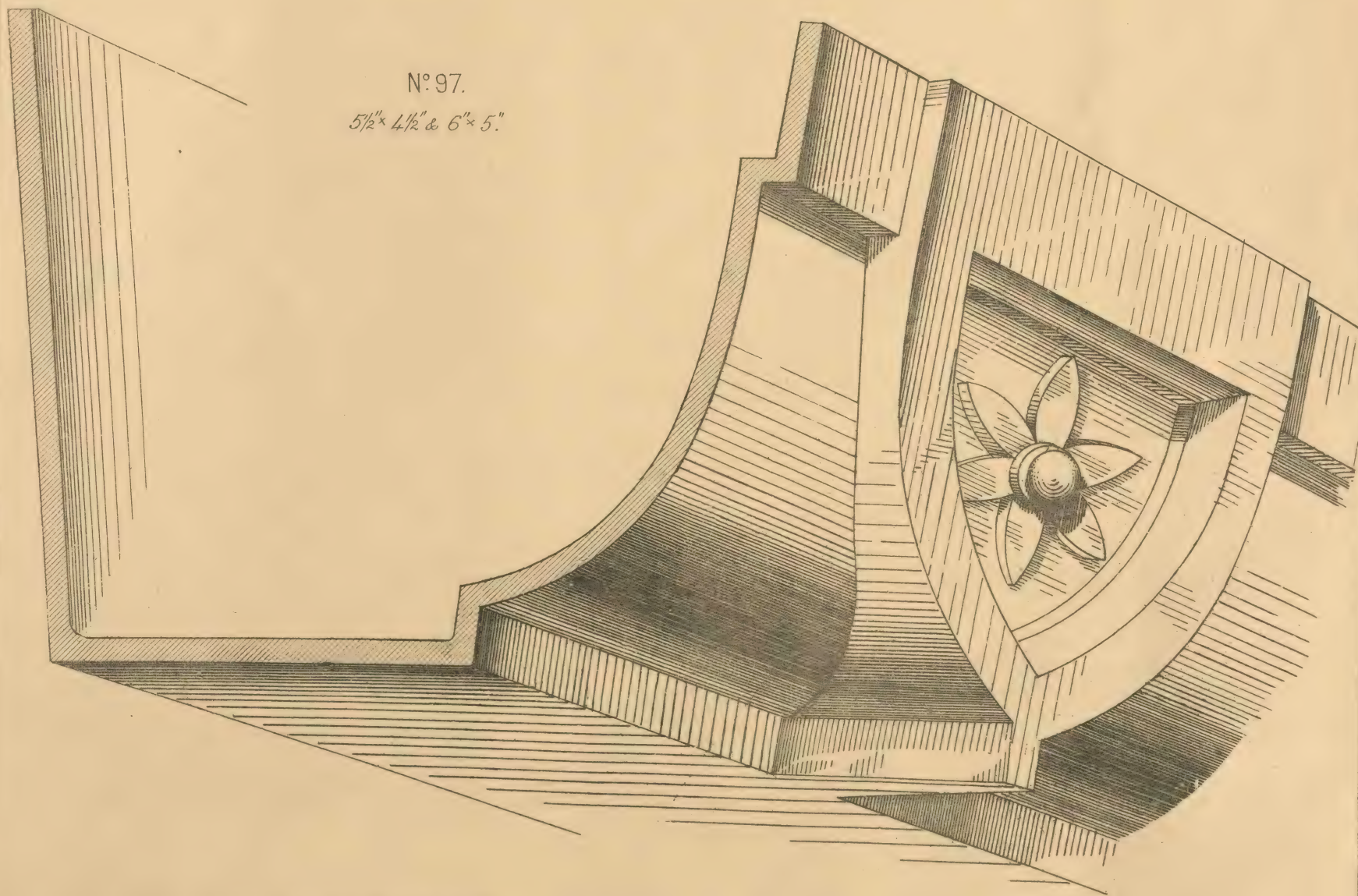
Nº 96.

5" x 4½"



Nº 97.

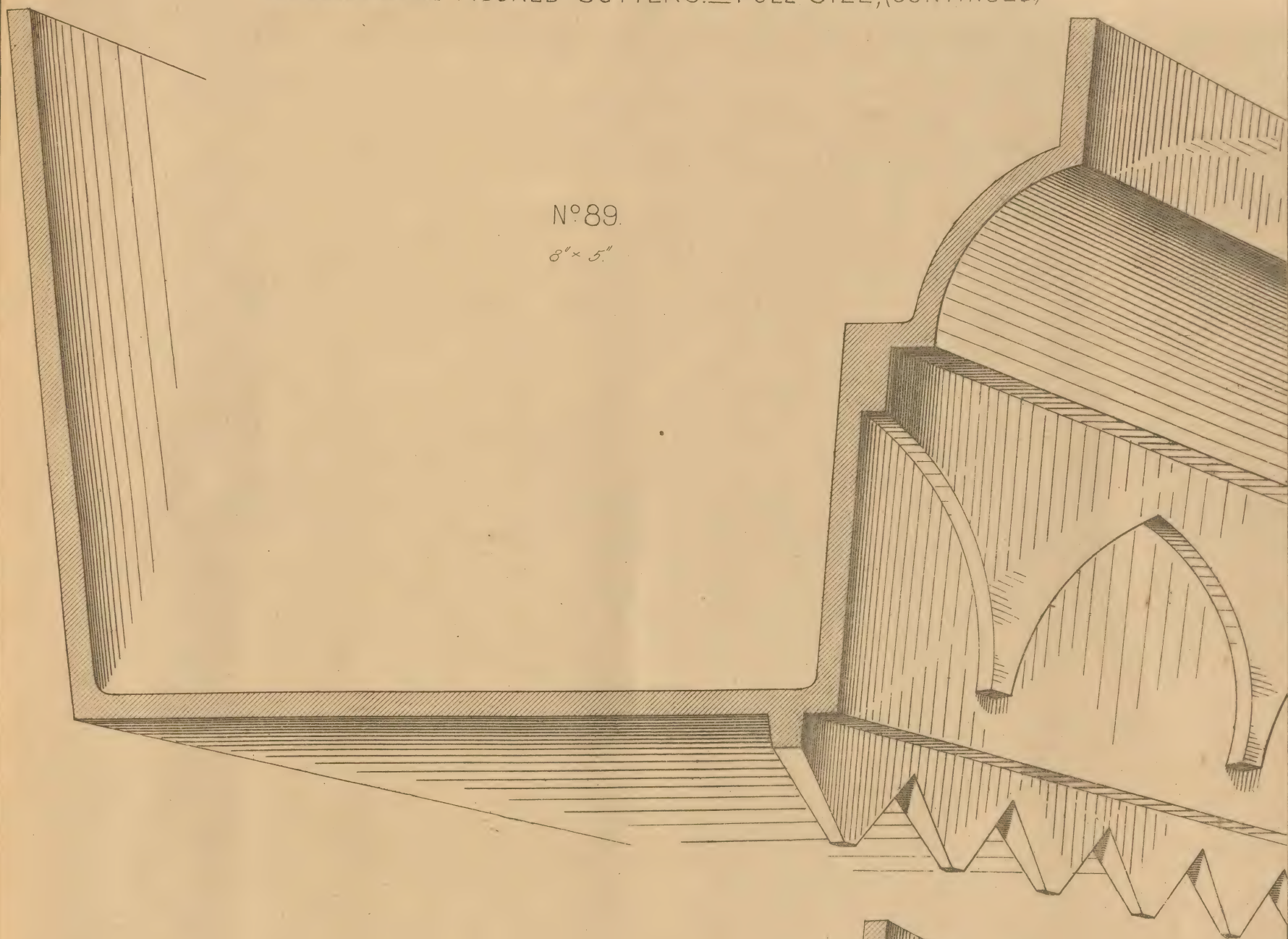
5½" x 4½" & 6" x 5"



ORNAMENTAL FIGURED GUTTERS.—FULL SIZE, (CONTINUED)

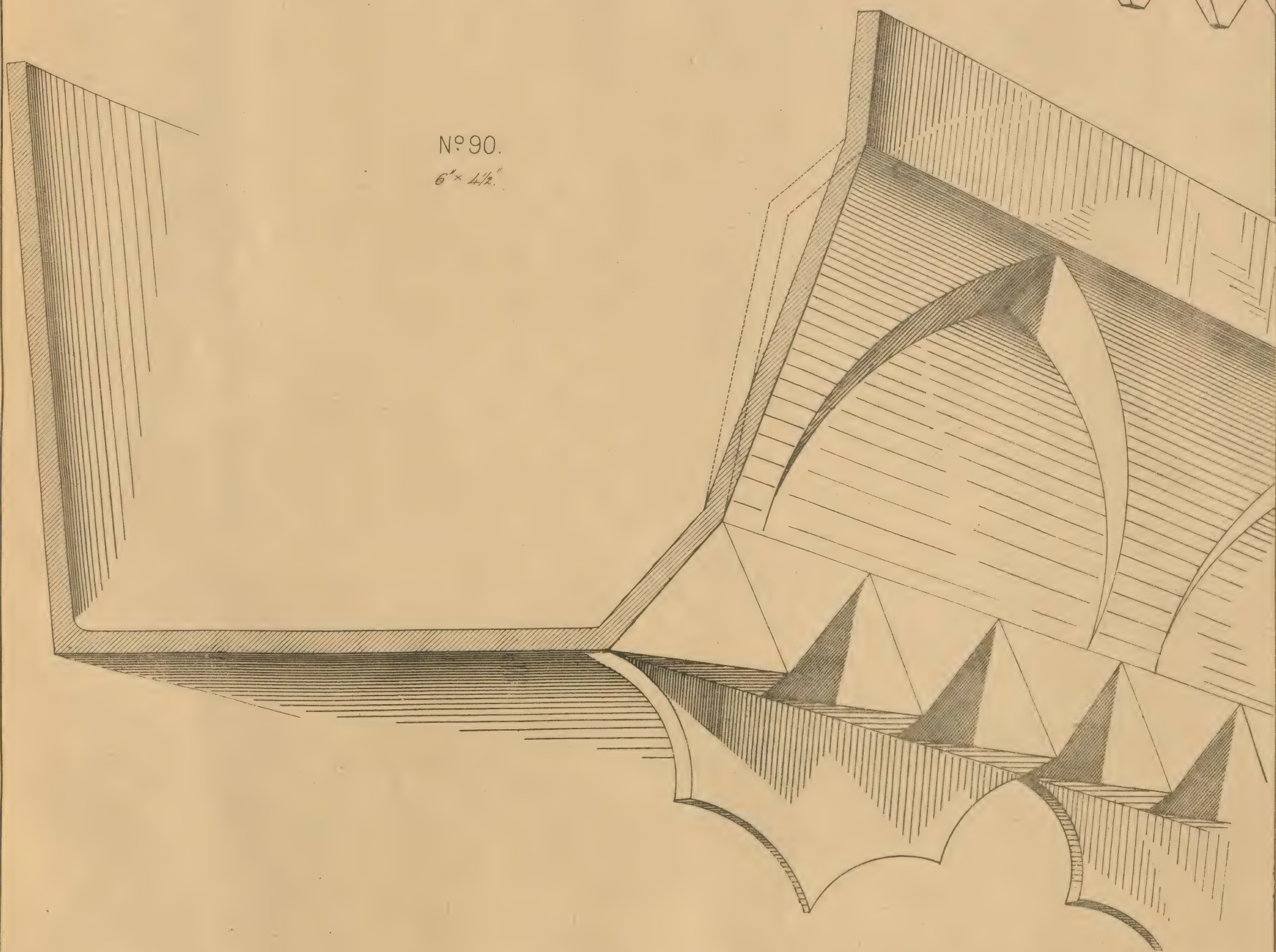
N°89.

8" x 5"



N°90.

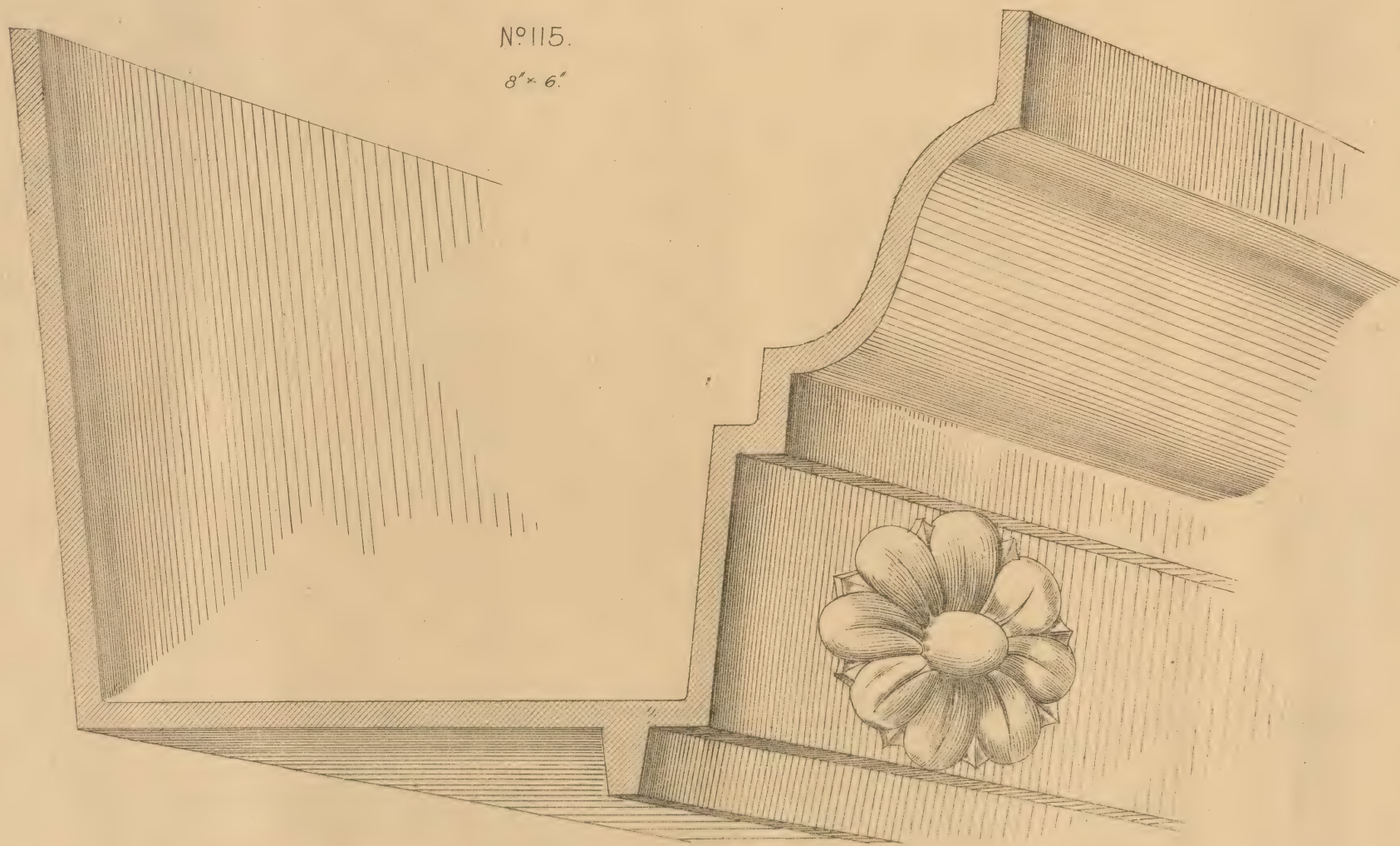
6" x 4 1/2"



ORNAMENTAL FIGURED GUTTERS.—FULL SIZE, (CONTINUED)

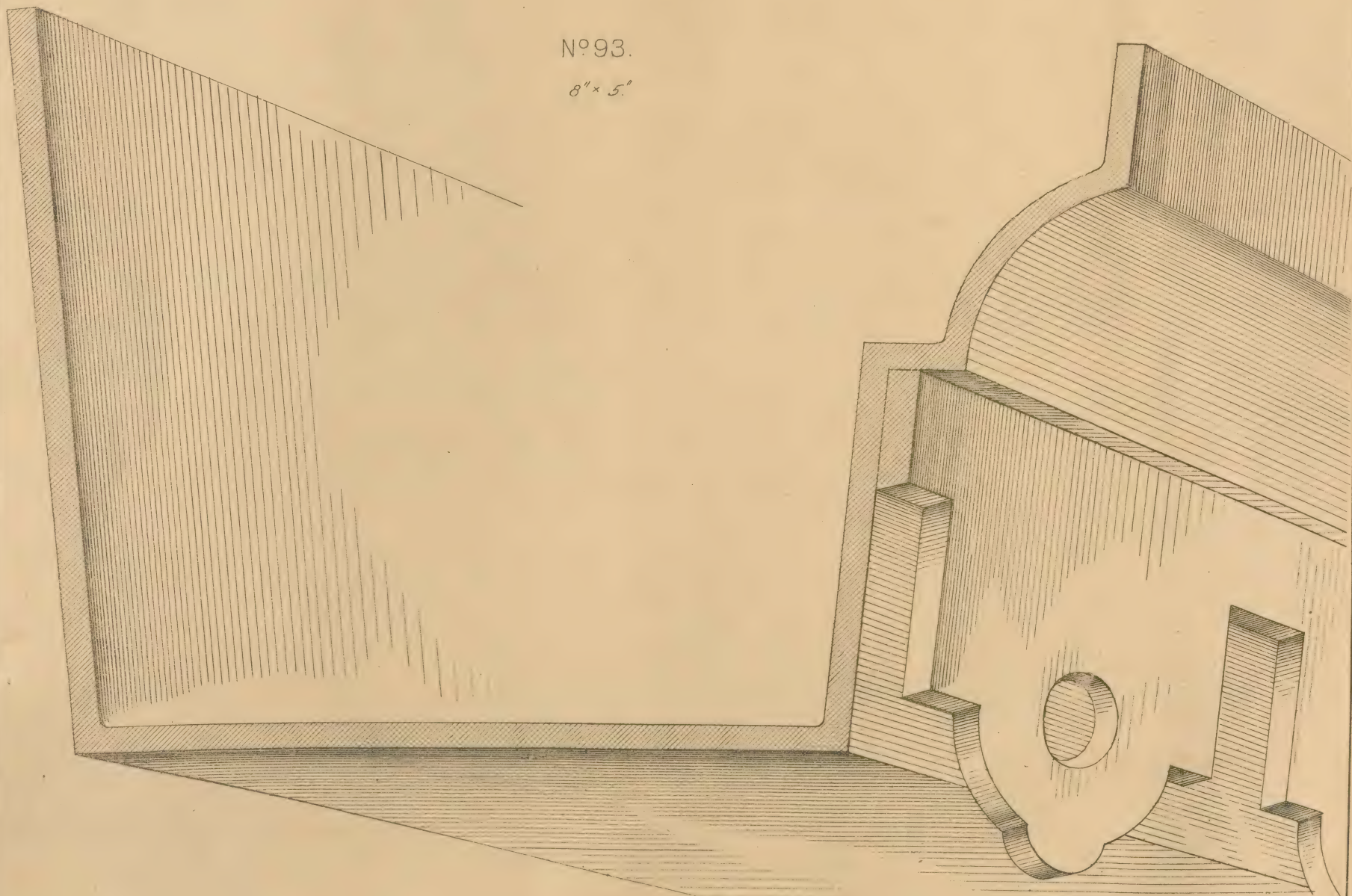
Nº 115.

8" x 6"



Nº 93.

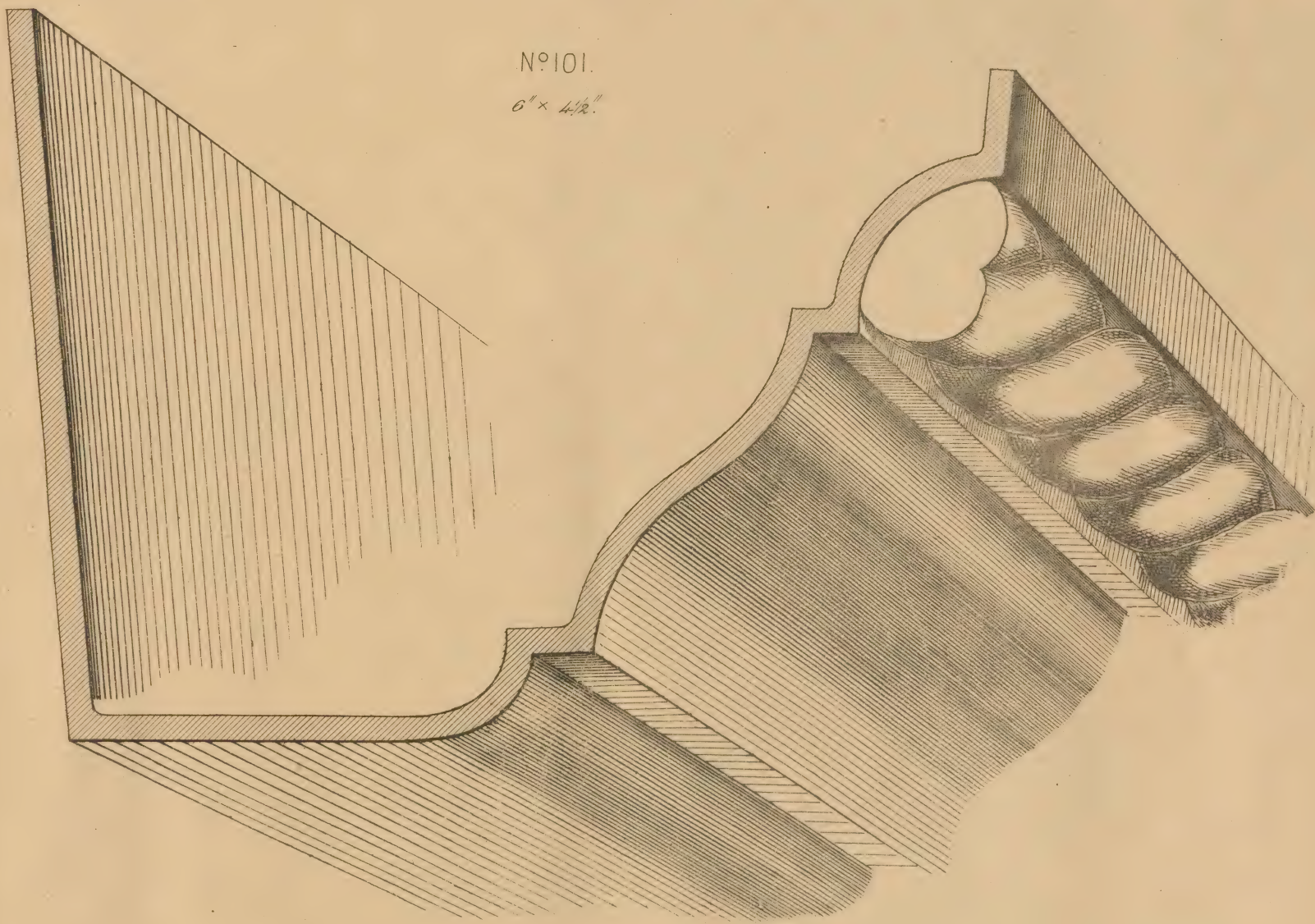
8" x 5"



ORNAMENTAL FIGURED GUTTERS.—FULL SIZE, (CONTINUED)

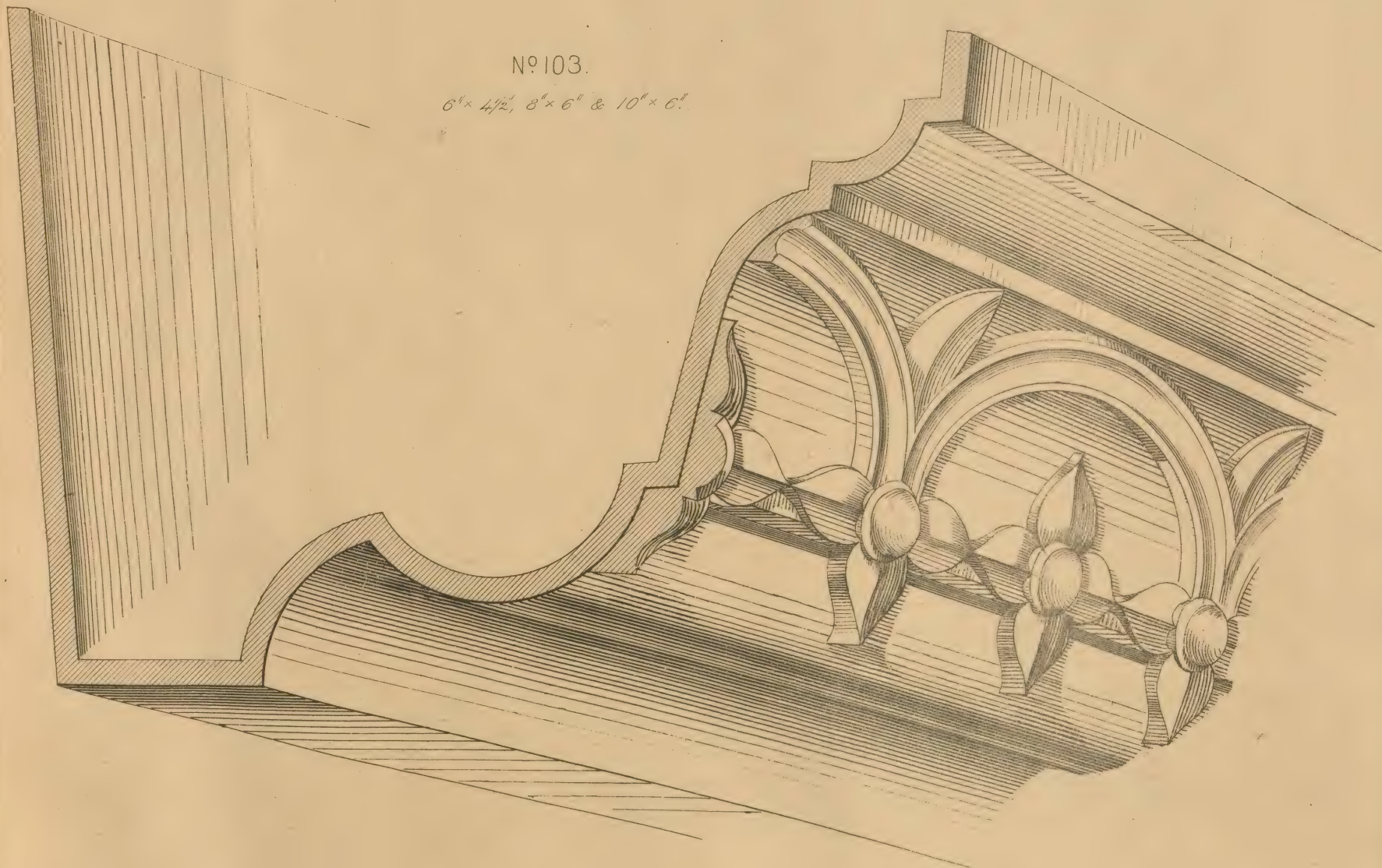
Nº101.

6" x 4 1/2"

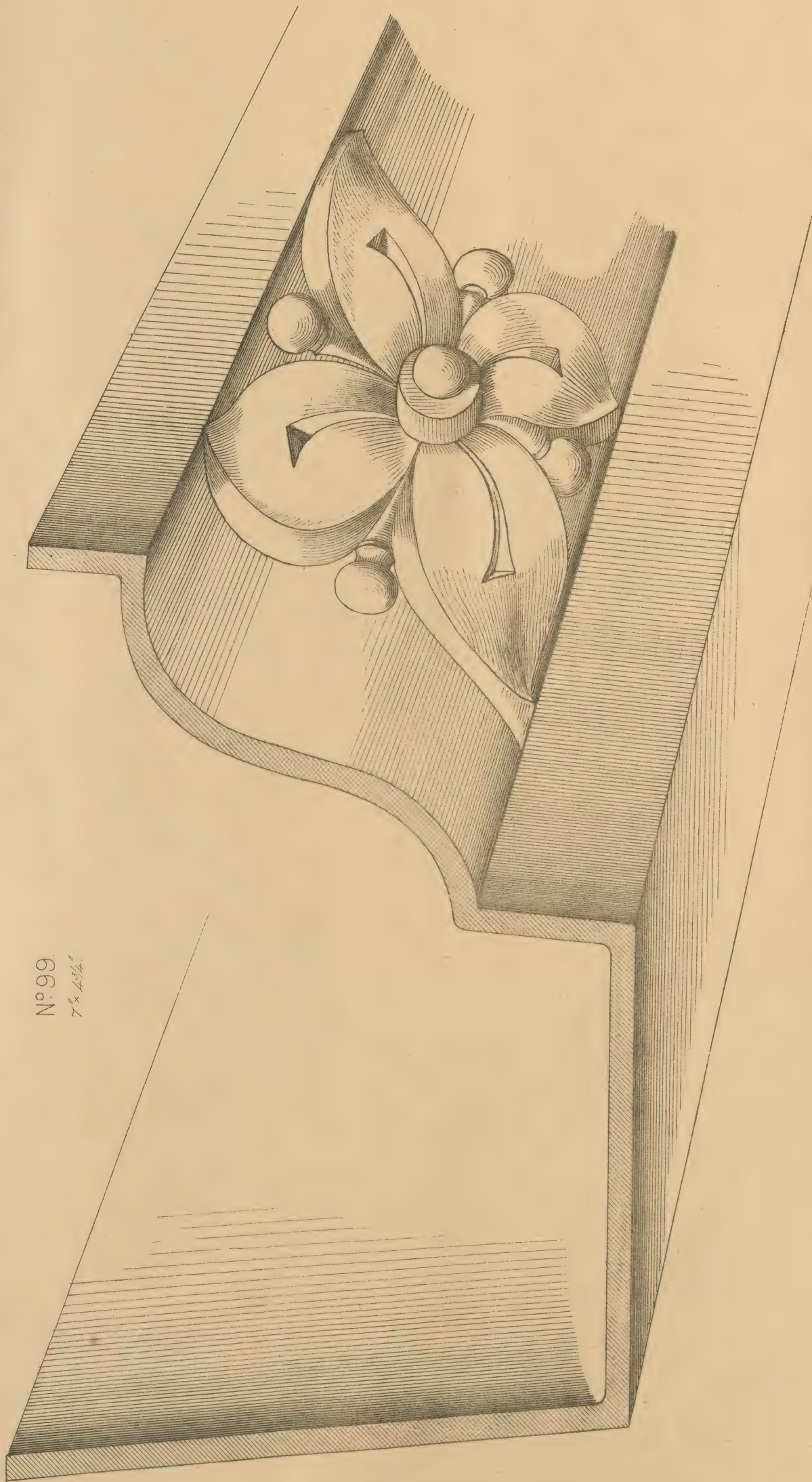


Nº103.

6" x 4 1/2", 8" x 6" & 10" x 6"

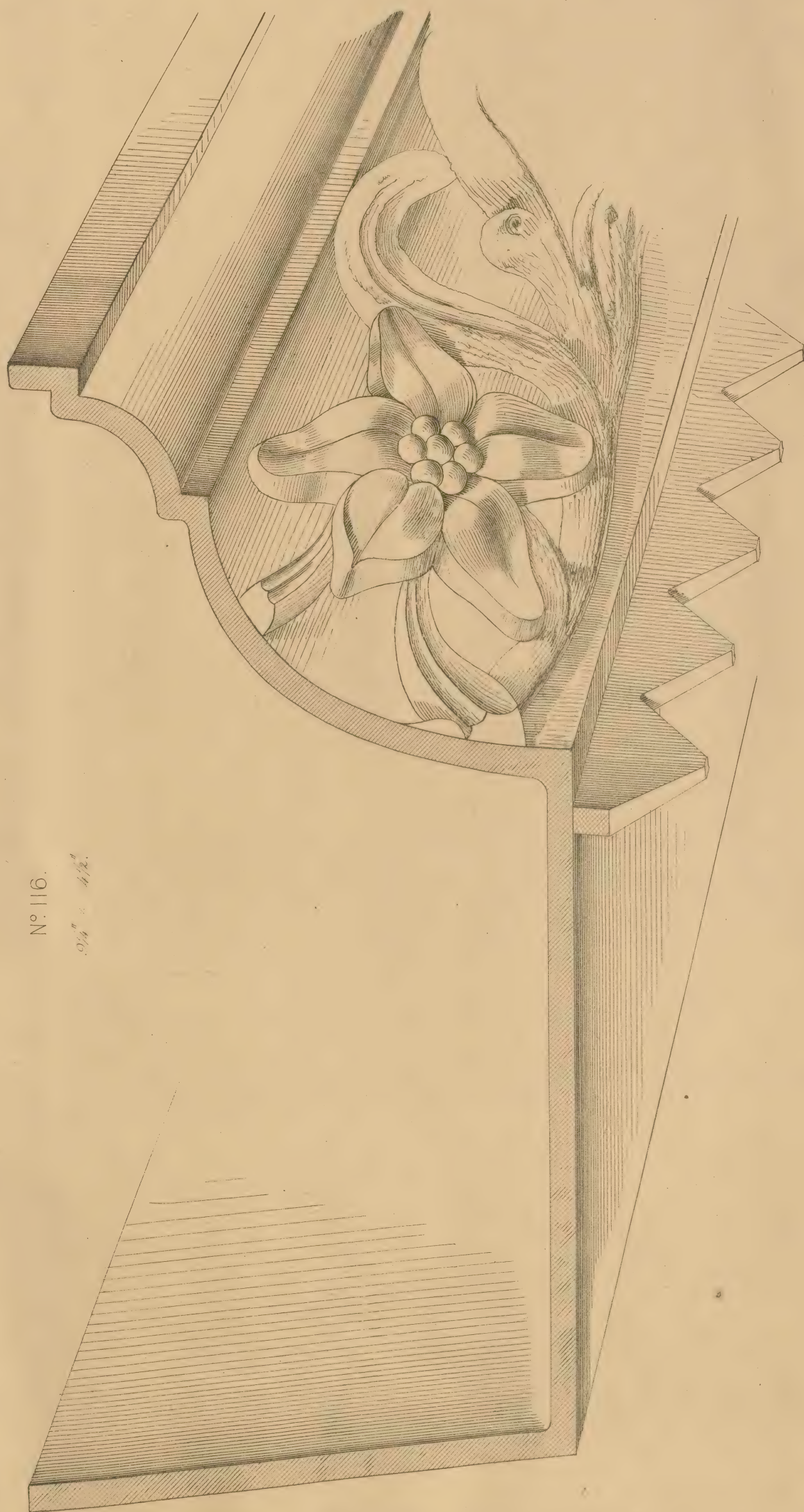


ORNAMENTAL FIGURED GUTTERS.—FULL SIZE, (CONTINUED)



Nº 99.
7" x 4 3/4"

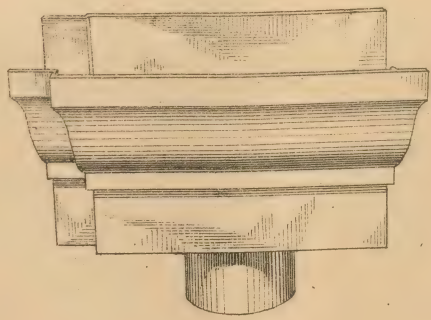
ORNAMENTAL FIGURED GUTTERS.—FULL SIZE, (CONTINUED)



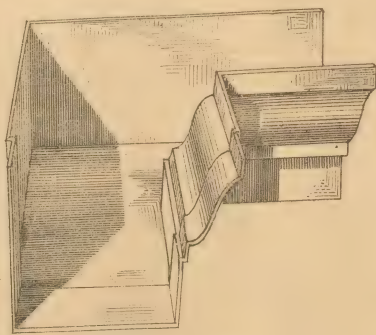
No. 116.

9 1/4" x 4 1/2"

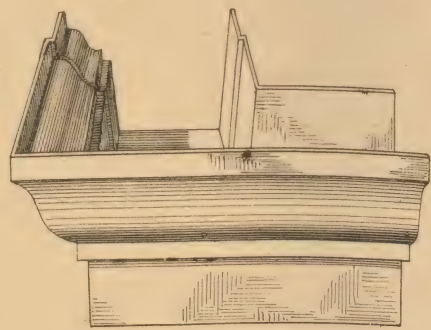
GUTTER CONNECTIONS, &C.



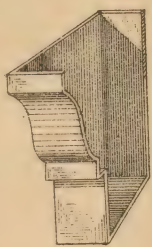
NOZZLE PIECE.



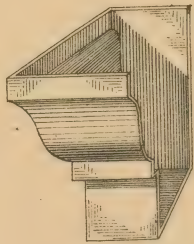
INTERNAL ANGLE



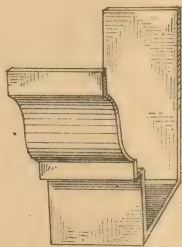
EXTERNAL ANGLE



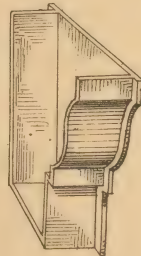
PLAIN FAUCIT END.



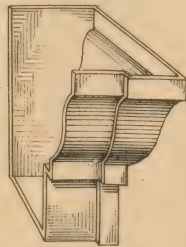
RETURN FAUCIT END.



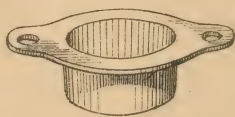
UNION CLIP.



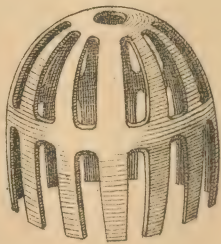
PLAIN SPIGOT END.



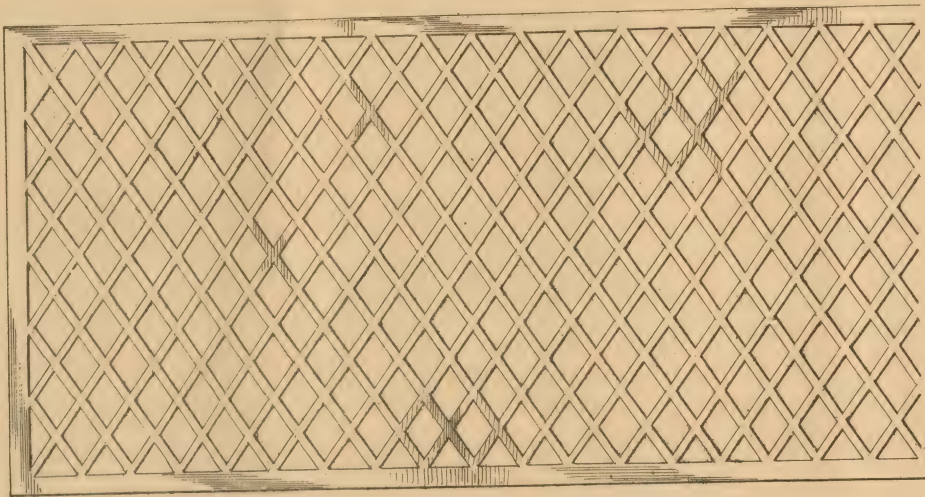
RETURN SPIGOT END.



LOOSE DROP

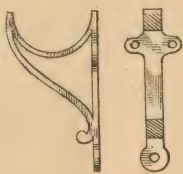


DROP GRATE

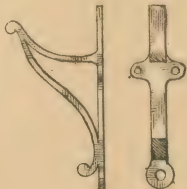


SNOW GRATE
Made any length.

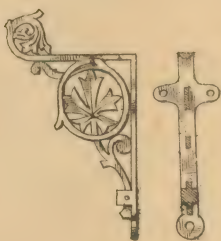
GUTTER BRACKETS.



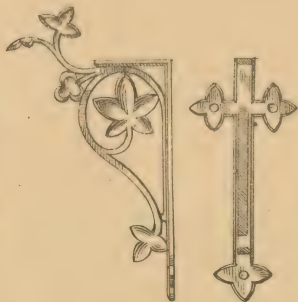
Nº1.



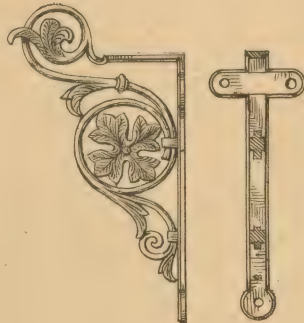
Nº12.



Nº5.



Nº22.



Nº49.



Nº50.

NOTE. When ordering Gutter Brackets, the number and size should be given, of the gutter for which they are intended.

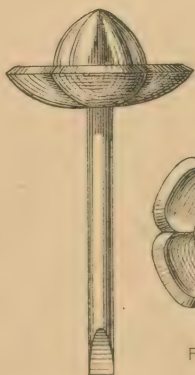
EAR SPIKES &C.



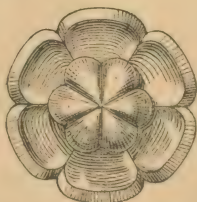
Nº1 SPIKE



PLAN Nº1.



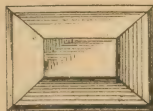
Nº2 SPIKE



PLAN Nº2.



Nº3 SPIKE



PLAN Nº3.

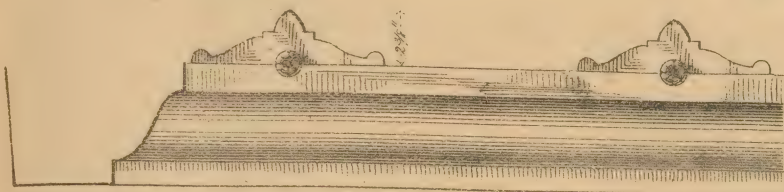


GUTTER HOOK.

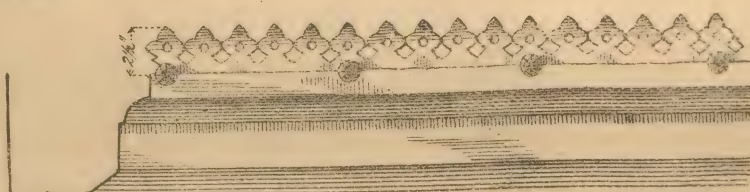


BOLT & NUT.

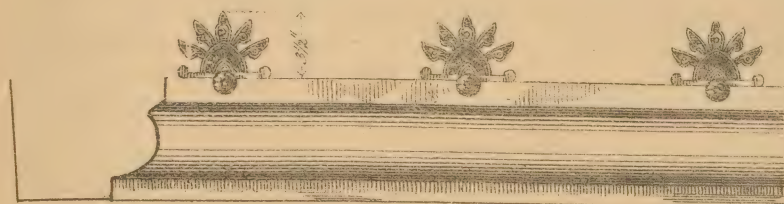
ANTIFIXÆ.



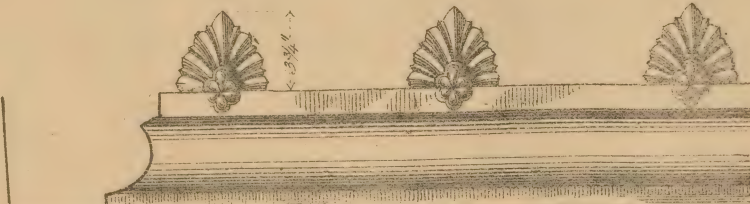
No. 1, as applied to No. 11 Gutter.



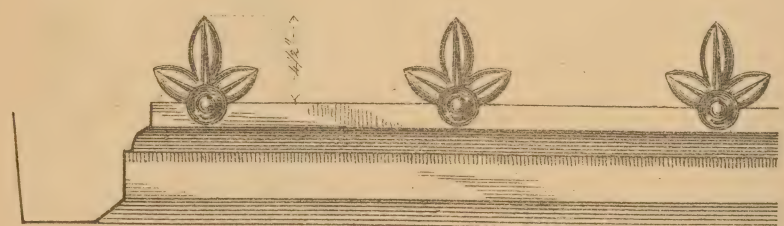
No. 2, as applied to No. 26 Gutter.



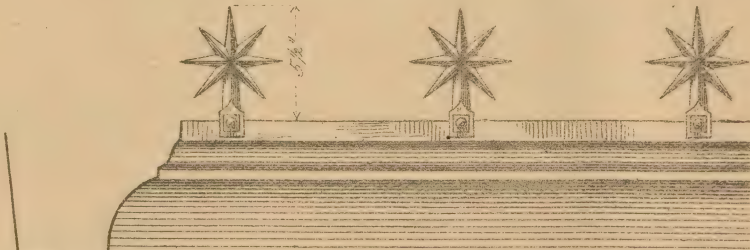
No. 3, as applied to No. 19 Gutter.



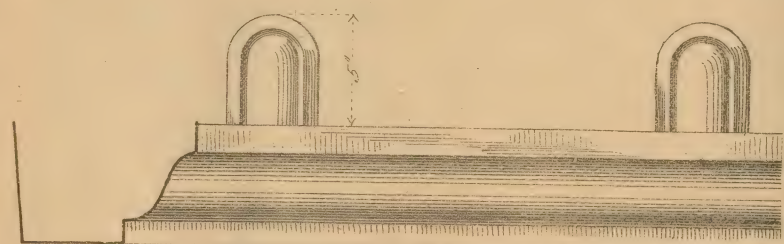
No. 4, as applied to No. 19 Gutter.



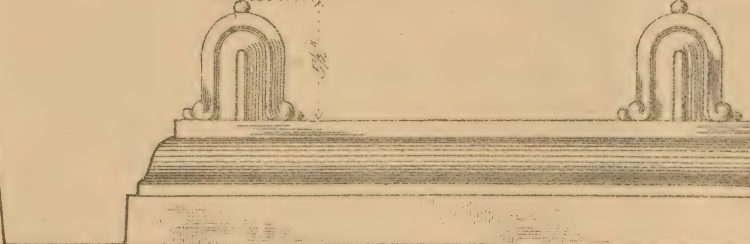
No. 5, as applied to No. 26 Gutter.



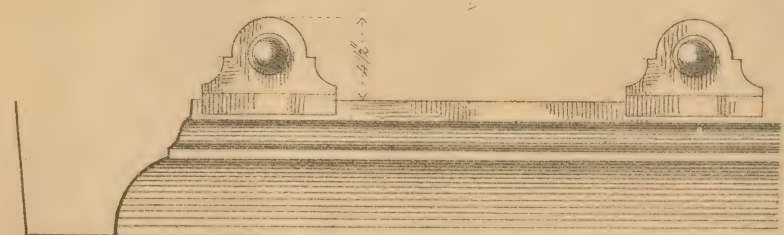
No. 6, as applied to No. 34 Gutter.



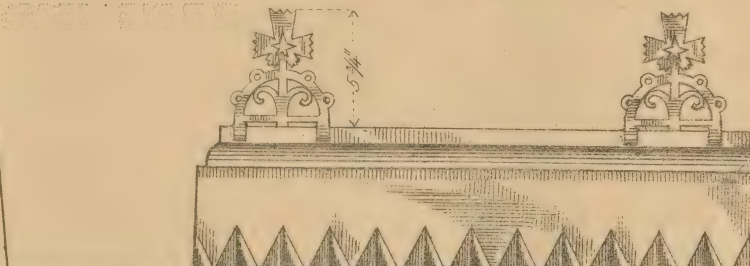
No. 7, as applied to No. 11 Gutter.



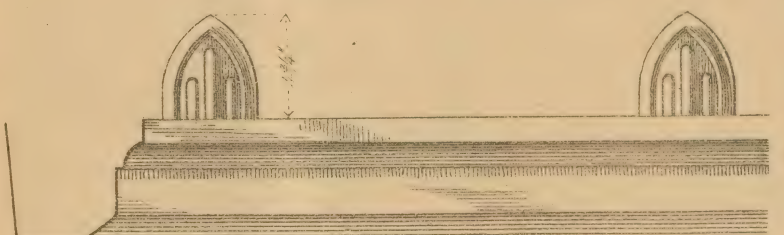
No. 8, as applied to No. 13 Gutter.



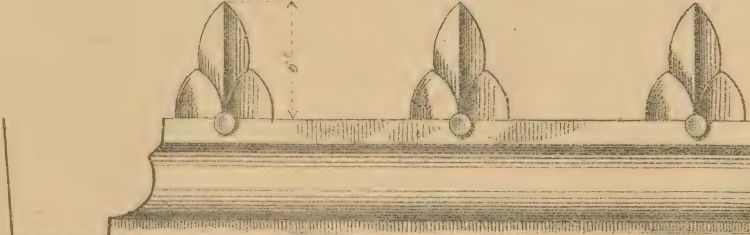
No. 9, as applied to No. 34 Gutter.



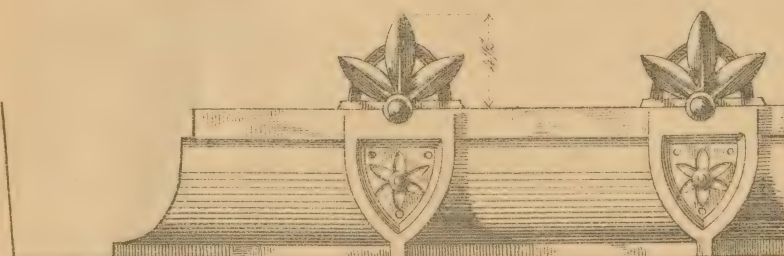
No. 10, as applied to No. 91 Gutter.



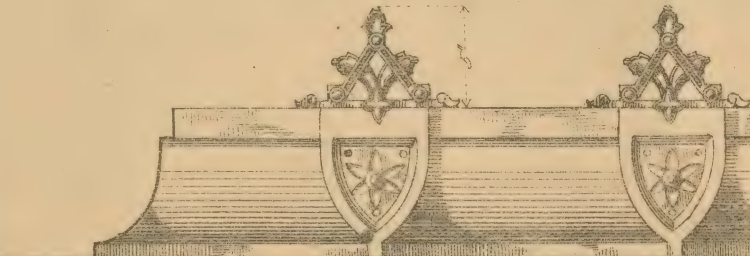
No. 11, as applied to No. 26 Gutter.



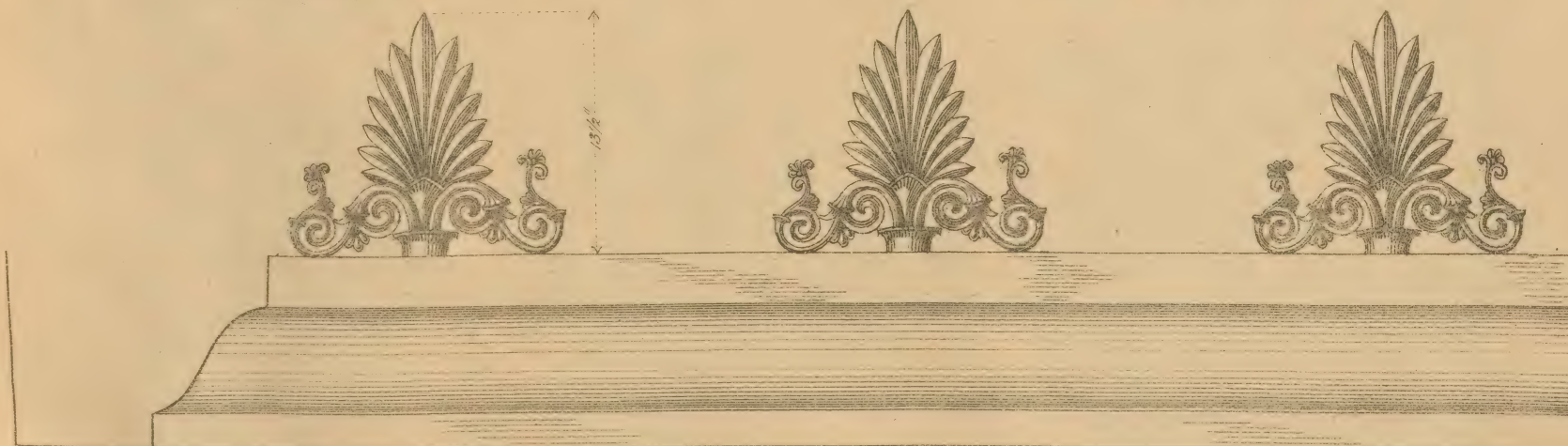
No. 12, as applied to No. 19 Gutter.



No. 13, as applied to No. 97 Gutter.



No. 14, as applied to No. 97 Gutter.



No. 15, as applied to No. 11 Gutter.

NOTE—Above can be applied to almost any pattern and size of Gutter.

GEORGE SMITH & CO., SUN FOUNDRY, GLASGOW.



No. 14.
3 3/4" wide x 5" high.



No. 15.
7 1/2" wide x 4 1/2" high.



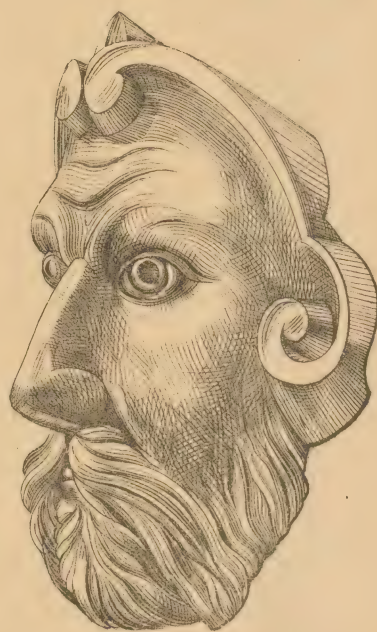
No. 16.
4 1/2" projection x 2 1/2" high.



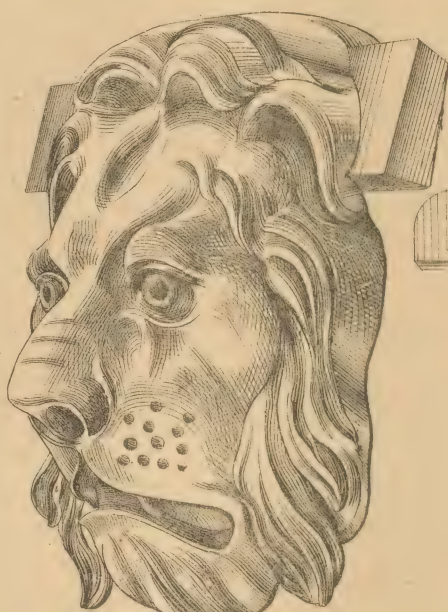
No. 17.
3 1/2" wide x 4 1/2" high.



No. 18.
4" wide x 4 3/4" high.



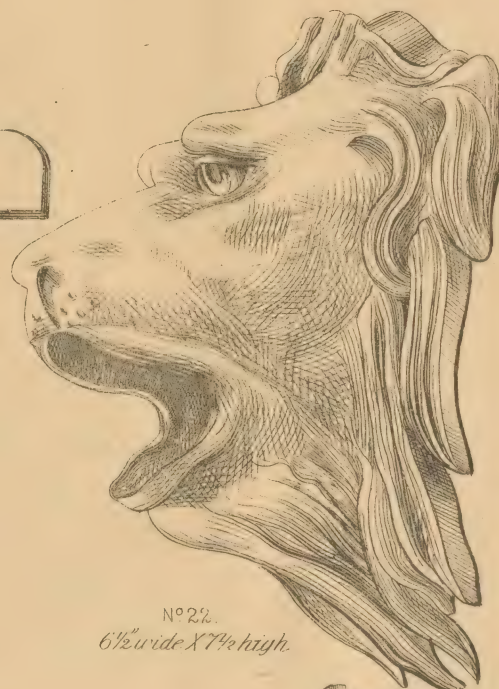
No. 19.
6" wide x 6 1/2" high.



No. 20.
5 1/2" wide x 6" high.



No. 21.
10" wide x 8" high.



No. 22.
6 1/2" wide x 7 1/2" high.



No. 23.
6" wide x 7" high.



No. 24.
5 1/2" wide x 6 3/4" high.



No. 25.
8" wide x 9 1/2" high.



